FEB/FY06

DUGWAY PROVING GROUND Utah

Army Defense Environmental Restoration Program Installation Action Plan

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

In an effort to coordinate planning information between the restoration manager, US Army Environmental Center (USAEC), Dugway Proving Ground, executing agencies, and regulatory agencies, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this Installation Action Plan at the IAP Workshop held on 7-8 February 2006:

CALIBRE for USAEC
Dugway Proving Ground
Engineering & Environment, Inc. for USAEC
Parsons, Inc.
Shaw Engineering
TechLaw
UDEQ
US Army Corps of Engineers

Acronyms & Abbreviations

approximateAAFArmy Air Field

ABP Agent Breakdown Product

(US)AEC (United States) Army Environmental Center (formerly called USATHAMA)

AEDB-R Army Environmental Database - Restoration

AFB Air Force Base

AST Aboveground Storage Tank
ATC Avery Technical Center

ATEC (United States) Army Test and Evaluation Command

BNA Base Neutral Acid Extratible BG biological warfare simulant

Bldg Building

BTEX Benzene, Toluene, Ethylbenzene, and Xylene

BZ type of chemical agent munition

CAP Corrective Action Plan

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

(1980)

CG type of chemical agent munitionCK type of chemical agent munition

CMI(C) Corrective Measures Implementation (Construction)CMI(O) Corrective Measures Implementation (Operations)

CMS Corrective Measure Study
COC Contaminants of Concern

CONEX brand name of shipping container type of chemical agent munition

CTC Cost-to-Complete

CWA Chemical Warfare Agent

cy cubic yards

DA Department of Army
DD Decision Document
DECON Decontamination

DERP Defense Environmental Restoration Program (now called ER,A)

DIMP Diisoproplymethylphosphonate DPG Dugway Proving Grounds

DRMO Defense Reutilization Management Office
DSHW (UDEQ) Division of Solid and Hazardous Waste

DTC Development or Ditto Test Command or Defense Test Chamber

EI Environmental Indicator
EOD Explosive Ordnance Division

EPA (United States) Environmental Protection Agency

ER,A Environmental Restoration, Army (formerly called DERP)

FFA Federal Facility Agreement

FS Feasibility Studyft foot or feetft2 square feet

FUDS Formerly Used Defense Sites

FY Fiscal Year

Acronyms & Abbreviations

gal gallon

gpd gallons per day

GA type of chemical agent munition

GB Sarin - type of chemical agent munition

GD type of chemical agent munition
GMA Groundwater Management Area
GPS Global Positioning System

Grassy Mountain Facility - Local TSDF for majority of hazardous waste disposal

operations

GW Groundwater

H munition with mustard (chemical agent)

HC type of smoke round

HD mustard - type of chemical agent munition

HE type of chemical agent munitionHDPE High Density PolyethyleneHL type of chemical agent munition

HR munition with mustard (chemical agent)

HRS Hazard Ranking System

HT munition with mustard (chemical agent)HWMU Hazardous Waste Management Unit

IA Installation Assessment
 IAP Installation Action Plan
 IRA Interim Remedial Action
 IROD Interim Record of Decision
 IRP Installation Restoration Program

K \$1,000 kg kilograms L Lewisite

LTM Long-Term Management Long-Term Operation

MCL Maximum Contaminant Level

MEC Munition and Explosive Constituents

mg milligrams

MMRP Military Munition Response Program

MNA Monitored Natural Attenuation

MW
 NE
 Not Evaluated
 NFA
 No Further Action
 NOV
 Notice of Violation
 NPL
 National Priorities List

OB/OD Open Burning/Open Detonation

OU Operable Unit

PAH Polynuclear Aromatic Hydrocarbons

PA Preliminary Assessment

PCE Perchloroethylene

PCB Polychlorinated Biphenyl

Acronyms & Abbreviations

PINS Portable Isotopic Neutron-Spectroscopy

POL Petroleum, Oil, & Lubricants

POM Program Objective Memorandum (budget)

PP Proposed Plan
PR Preliminary Review

PY Prior Year Remedial Action

RA(O) Remedial Action - Operation RAB Restoration Advisory Board

RAD Radiological

RAP Remedial Action Plan RC Response Complete

RCRA Resource Conservation and Recovery Act

RD Remedial Design

REM Removal

RFA RCRA Facility Assessment
RFI RCRA Facility Investigation
RI Remedial Investigation
RIP Remedy in Place

ROD Record of Decision

RRSE Relative Risk Site Evaluation

SI Site Inspection

SVOC Semi-Volatile Organic Compounds
SWMU Solid Waste Management Unit

TAPP Technical Assistance for Public Participation

TCE Trichloroethylene
TDS Total Dissolved Solids
TNT type of explosive

TPH Total Petroleum Hydrocarbon

TSDF treatment, storage, and disposal facilities **UDEQ** Utah Department of Environmental Quality

ug/l microgram per liter

USACE United States Army Corps of Engineers

USAEC United States Army Environmental Center (formerly called USATHAMA) **USATHAMA** US Army Toxic and Hazardous Materials Agency (currently called USAEC)

UST Underground Storage Tank
UXO Unexploded Ordnance
VOC Volatile Organic Compounds
VSI Visual Screening Inspection

VX nerve agent - type of chemical agent munition

WW World War

yr year

Installation Information

Installation Locale: Dugway Proving Ground (DPG) is an approximately 798,000 acre Government-owned and operated chemical, conventional, and biological weapons defense test facility. DPG is located in Tooele County, approximately 39 miles southwest of the town of Tooele, Utah.

Installation Mission: DPG's mission includes the following elements:

- To serve America's soldiers, citizens, and allies by operating our nation's premier defense proving ground to provide quality testing, data, and information.
- To recognize, trust, empower, and develop a work force team dedicated to mission accomplishment.
- To anticipate and exceed customer expectations using recognized quality standards and processes to advance technology and support all aspects of chemical and biological defense, meteorology, smoke, obscurants, illumination, and munitions testing.
- To conduct all operations consistent with the highest standards of Army Values and environmental stewardship.

Lead Organization: US Army Test and Evaluation Command (ATEC)

Lead Executing Agency: US Army Corps of Engineers – Sacramento District

Regulatory Participation:

Federal: US Environmental Protection Agency, Region VIII, Federal Facilities Section **State:** Utah Department of Environmental Quality (UDEQ), Division of Solid and Hazardous Waste (DSHW); RCRA authority

National Priorities List (NPL) Status: Not on NPL.

- Confirmed off-post contamination limited to FUDS
- Consent Order, Sep 90; Amended Dec 93
- Final RCRA Part B Permit with Corrective Action Module, March 94
- Consent Order, Sep 94
- Notice of Violation, Mar 98

Installation Restoration Advisory Board (RAB)/Technical Review Committee/
Technical Assistance for Public Participation (TAPP) Status: The RAB was formally established in FY 2000. Representatives from the general public, local government, US Environmental Protection Agency, DSHW, and Dugway sit on the RAB. RAB meetings are being held semiannually. Dugway does not anticipate requesting TAPP funds during FY2006.

Installation Information

Installation Program Summary IRP

Primary Contaminants of Concern: Chemical Agent Breakdown Products, Explosives,

Heavy Metals, Petroleum/Oil/Lubricants, Volatiles Affected Media of Concern: Soil, Groundwater

Estimated date for Remedy-In-Place (RIP) Response Complete (RC): 2012/2043

Funding to Date: (up to FY05): \$61,253K Current year funding (FY06): 12,000K Cost to Complete (FY07+): \$54,909K

Cleanup Program Summary

Installation Historic Activity:

DPG was activated on March 1, 1942. Shortly thereafter, military weapons testing commenced under the Technical Division of the US Chemical Corps. From 1942 through 1947, chemical warfare facilities were established and special buildings (typical of enemy construction), caves, and fortification complexes were subjected to bombardment with incendiary and chemical munitions. Chemical munitions tested include phosgene mixtures, mustard mixtures, blood agents, nerve agents, incapacitating agents, and smokes. In October 1943, biological warfare facilities were established at DPG. Numerous microorganisms were tested, including anthrax, plague, tularemia, human dysentery, tuberculosis, and a host of others.

DPG became inactive in January 1947, and was considered a post satellite of the Deseret Chemical Depot (formally the Tooele Army Depot, South Area). The Chemical and the Biological Warfare Divisions were activated at Ditto Technical Center (DTC) in January, 1951. DPG was combined with the Deseret Test Center on July 1, 1968. On October 11, 1973, DPG was assigned to the Commanding General, US Army Test and Evaluation Command (TECOM). In October, 1999, Dugway was assigned to the newly established Developmental Test Command (DTC) under the US Army Test and Evaluation Command (ATEC).

Thousands of munitions containing mustard (H, HD, HT) were tested at DPG during the periods from 1942 to 1945 and 1952 to 1956. A minimum of 1,200 field trials employing 47,900 munitions or dissemination devices were conducted from 1945 to 1968 with agents GB, GA, and VX (USATHAMA, 1979). Large scale conventional munitions testing was conducted at the ranges until the late 1970s.

Current Activity:

Under the command of the US Army Developmental Test Command (DTC), DPG has the assigned mission of planning, conducting tests, and evaluating chemical warfare systems, flame and incendiary systems, biological warfare vulnerability, and biological defense systems. The majority of testing, excluding range activities, occurs at or in the vicinity of the Avery Technical Center (ATC), the Baker Laboratory Complex, the Carr Laboratory Complex, or the Ditto Technical Center. Hazardous materials associated with these activities are handled and tested at chemical and biological test areas, and artillery, rocket, and explosives test ranges.

Program Progress:

Of 205 initially identified SWMU sites, DPG has attained RC on 156 sites. Closures have involved both No Further Action (residential) and industrial risk-based closures as well as removals and cover system installations.

DUGWAY PROVING GROUND

Installation Restoration Program

Total AEDB-R IRP Sites / AEDB-R sites with Response Complete: 206/152

Different Site Types:

6 Burn Areas 2 Fire/Crash Training Areas 10 Contaminated Buildings

2 Contaminated Soil Piles 3 Contaminated Fill 1 Drainage Ditch

1 Chemical Disposal 3 Contaminated Groundwater 46 Landfills

17 Surface Disposal Areas 1 Bldg Demo/Debris Removal 19 Disposal Pit/Dry Wells

3 Leach Fields 9 Washracks 4 Incinerators

1 Pesticide Shop 3 Spill Site Areas 1 Sewage Treatment Plant 4 Waste Lines 7 Radioactive Waste Areas 1 Waste Treatment Plant

6 Other 5 Surface Runoff 25 Storage Areas

1 Mixed Waste Area
9 ASTs
2 Unexploded Munitions/Ordnance
2 USTs
9 Surface Impoundments/Lagoons

Most Widespread Contaminants of Concern: Chemical Agent Breakdown Products, Explosives, Heavy Metals, Petroleum/Oil/Lubricants, Volatiles

Media of Concern: Soil, Groundwater

Completed Removal (REM)/Interim Remedial Action (IRA)/Remedial Action (RA):

Site Access Control Measures at DPG-002, 007, 009, 014, 033, 036, 038, 040, 051, 058, 063 (FY88), DPG-158 (FY90), DPG-017 (FY91), DPG-034, 042, 043, 055, 090, 099, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170 (FY92), DPG-046 (FY93), DPG-010, 011, 012, 015, 021, 022, 023, 025, 031, 032, 035, 059, 124, 128 (FY94), DPG-037, 048, 204 (FY96), DPG-199 (FY97), DPG-212 (FY98)

Waste Removal at DPG-039, 099, 174 (FY92), DPG-001, 013, 016, 017, 018, 019, 028, 040, 052, 056, 065, 101, 103, 104, 107, 113, 115, 117, 188, 190 (FY93), DPG-003, 004, 005, 006, 008, 029 (FY94), DPG-014 (FY95), DPG-122, 130 (FY96), DPG-059, 199 (FY98), DPG-034, 099 (FY99), DPG-033, 051, 058, 063, 128 (FY00), DPG-007, 048, 063 (FY01), DPG-003, 017, 047, 180 (FY02)

Pipeline Removal at DPG-048, 130, 162 (FY99)

Waste and Facility Removal at DPG-036 (FY00)

Installation of evapo-transpiration cap at DPG-002 (FY02)

Remedial activities completed at DPG-042, 046, 047 (FY03-04)

IRAs completed at 003, 044, 116, 185, 193, 197, 205, 206, 211, 214, 216 (FY03-04)

Total IRP Funding

 Prior Year (up to FY05):
 \$61,253K

 Current Year Funding (FY06):
 \$12,000K

 Future Requirements (FY07+):
 \$54,909K

 Total:
 \$128,262K

Duration of IRP

Year of IRP Inception: 1978 Year of IRP RIP/RC: 2012

Year of IRP Completion including Long-Term Management (LTM): 2043+

IRP Contamination Assessment Overview

Historical waste disposal practices have generated possible contamination at 205 Solid Waste Management Units (SWMUs). Many of these SWMUs are affiliated with DPG's mission to test chemical, biological, and conventional weapons, but some SWMUs are characterized by more generic practices such as sanitary waste disposal, photo developing, transformer disposal, and sanitary landfills.

In 1977, English Village water supply wells 18 and 19 were taken out of potable service due to increasing levels of nitrate in 1972 and 1967, respectively. No definable source was ever found for this increase.

An initial installation assessment completed in April 1979 concluded that there was no potential for off-post migration of hazardous wastes at DPG. The assessment also concluded that because of the probability that unexploded ordnance, including chemical agent rounds, may be located in many areas of DPG, the installation range areas should be considered hazardous to personnel.

Hazardous Waste Management Units (HWMUs):

The Consent Order negotiated between the State of Utah and DPG on 13 September 1990 required the investigation and development of closure plans for 41 sites that ceased hazardous waste operations after 1980. Since the signing date, four HWMUs have been dropped and one has been added. The contaminants of concern for the Consent Order HWMUs are: VOCs, BNAs, agent, agent breakdown products, pesticides, PCBs, explosives, and metals. The objective of the consent order site investigation was to develop closure plans for the 34 consent order HWMUs. The investigation was divided into three mobilizations or field phases, during which all of the HWMUs were investigated. Mobilization I began on 27 July 1992 and ended 6 November 1992; 30 HWMUs were investigated during this time. Mobilization II started on 10 May 1993 and ended 7 October 1993; 35 HWMUs were investigated during this time. Nature and Extent plans for 41 HWMUs were submitted to the installation and regulators in March - August 1993. Mobilization III began in January 1995 and ended in May 1995. Closure plan development began in December 1993. Three HWMUs have been approved for Administrative Closures. HWMUs 33 and 36 were remediated in 2000. HWMU 48 was remediated in 2001. Final removals were completed for DRP-042, 046 and 047. Administrative closures were completed for DPG-099 and 190. Remediation activities at DPG-043, 051, 090, 168, 163 and 037 are complete.

Solid Waste Management Units (SWMUs):

On March 20, 1992, the Executive Secretary for the Utah Division of Solid and Hazardous Waste finalized the RCRA Facility Assessment (RFA) for SWMUs located on DPG. The purpose of the RFA was to identify and describe SWMUs and determine the existence of the likelihood of a release. A Preliminary Review (PR) was completed first in order to review pertinent documentation such as inspection reports, permit applications, aerial photos, and disposal records. Over 169 SWMUs were identified based on the PR. A Visual Screening Inspection (VSI) was then conducted in the summer of 1991, which

SWMUs (Cont.):

deleted 11 SWMUs from the list. The final RFA lists 121 SWMUs, which need to be investigated in the RCRA Facility Investigation (RFI). During the RFI investigation, SWMUs are being added, deleted, and consolidated as more information is obtained. DPG currently is investigating 111 SWMUs under the RCRA Corrective Action module of the RCRA hazardous waste storage permit issued 15 March 1994 by the State of Utah Department of Environmental Quality. A Phase I RFI was performed from August 1993 to June 1994. The purpose of the RFI was to confirm or deny the presence of hazardous waste at the 111 SWMUs. Sixty-eight sites continue to be investigated under the Phase II RFI, several of which contain other SWMUs that have been combined into the 68 due to proximity or waste process. SMWUs sites with biological warfare agents as contaminants of potential concern are being deferred until characterization protocols are finalized.

No off-post contamination has been confirmed with the exception of SWMUs 67, 126, and 127, which are FUDS under the USACE.

IRP Cleanup Exit Strategy

Please see the individual site pages for an exit strategy for each site.

Previous Studies

1975

- Army Material Command Test and Evaluation Command: Environmental Impact Assessment: Proposed Hercules, Incorporated Rocket Motor Test Site
- Program Manager for Chemical Demilitarization and Installation Restoration: Basic Plan for the Assessment of DPG Phase V Toxic Residue Stored at Tower Grid and West Granite Holding Areas

1976

 Pinkham, Carlos F.A: Installation Environmental Impact Assessment for United States Dugway Environmental and Life Sciences Division, Material Test Directorate

1977

 Jones, Curtis F: Soil Samples West Granite Disposal Area, Project Manager for Chemical Demilitarization and Installation Restoration

1979

 US Army Toxic and Hazardous Materials Agency: Initial Installation Assessment of DPG

1983

US Army Environmental Hygiene Agency: Phase 2 Hazardous Waste
 Management Study No. 37-26-0147-84, DARCOM Open Burning/Open Detonation
 Grounds Evaluation

1984

 USACE: Analysis of Existing Facilities Environmental Assessment Report: Planning Corp.

1986

 El Dorado Engineering, Inc.: Hazardous Waste Study for DPG, Volume 1, prepared for the US Army Toxic and Hazardous Materials Agency

1987

 US Army Environmental Hygiene Agency: Interim Final Report Ground-Water Contamination Survey No 38-26-0847-88 Evaluation of SWMUs, DPG, 6-10 Apr 87, prepared for the US AMC

1988

- Environmental Science and Engineering, Inc.: Update of the Initial Installation Assessment of DPG
- R&M Consultants (ESE): Report of Findings, Geohydrologic Study: Phase 1 DTC and 3008 Evaporation Ponds, English Village and Fries Park Landfills
- Dette, Michael: Installation Restoration Program Plan for Dugway Proving Ground

1992

- Executive Secretary of the Utah Solid and Hazardous Waste Control Board: RCRA Facility Assessment of Solid Waste Management Units at US Army DPG
- EBASCO: Geophysical Investigation of Solid Waste Management Unit 20, Camels Back Ridge
- EBASCO: Geophysical Investigation of Solid Waste Management Unit 160, Air Force Pad No. 777, Landfill No. 1

1994

 Engineering Technologies Associates: Preliminary Assessment Dugway Proving Ground

1995

- Ebasco Services Inc.: SWMU Closures at Dugway Proving Ground, Interim Report.
 Final Phase 1
- Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

1996

- Ebasco Services, Inc.: Module 3 Closure Plan: September
- Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

1997

• Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

1998

• Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

1999

- Parsons Engineering Science Inc.: RCRA Facility Investigation, Investigation Report, Final Phase 1
- Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

2000

- Parsons Engineering Science Inc.: Draft Characterization and Recommended Use of Facility-Wide Background Soil Metals Data
- Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

2001

Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports

2002

- Ageiss Environmental and The IT Group: Annual Groundwater Monitoring Reports
- IT Corp: Final Closure Report for HWMU 34 Baker Boiler House Sump

2002 (Cont.)

- IT Corp: Final Supplemental Investigation Report for HWMU 47 Former English Village Sewage Lagoons
- Parsons Engineering Science Inc.: Final (Rev 2), Risk Assumptions Document for Phase II RFI
- Montgomery Watson Harza: Draft Final Closure Certification for HWMU 7

2003

- Montgomery Watson Harza: Final Closure Certification for HWMU 59 Pad 7 3X Storage Area in Carr
- Parsons Engineering Science Inc.: Draft Final Hydrogeological Assessment and Regional Groundwater Management Plan, Volume 1, Ditto Groundwater Management Area
- Shaw: Final Closure Report for HWMU 2 Waste Pile at North end of Granite Peak
- Shaw: Revised Final Remedial Action Closure Report for HWMU 33 Baker Area Sewage Lagoon
- Shaw: Final Closure Report for HWMU 99 Camels Back Ridge Former 3X Storage Site

2004

Phase 2 RFI at Multiple Sites to Determine Nature and Extent

2005

Phase 2 RFI at Multiple Sites to Determine Nature and Extent

DUGWAY PROVING GROUND

Installation Restoration Program
Site Descriptions

DPG-002 SCRAP CONSTRUCTION FILL, N GRANITE PEAK

SITE DESCRIPTION

DPG-002, known as the Waste Pile at the North End of Granite Peak, is a burial pit located north of Granite Peak, approximately 1,000 ft north of Stark Road. It was used from the 1940s to 1990, and is ~300 x 400 ft. This central portion of DPG is now primarily used for test ranges. In the past, munitions disposal, decontamination, and other demilitarization activities were also conducted in this portion of DPG. DPG-002 was used to dispose of a variety of solid wastes generated during range cleanup and demilitarization activities. The unit consists of two trenches that are positioned end to end and are approximately 50 ft apart.

Approximately 4.9 tons of scrap material were removed under a base contract and transported to the Defense Reutilization Management Office (DRMO) at Tooele Army Depot. Thirty-one tons of surface waste were disposed of at the DPG landfill. In 1988, warning signs were placed at DPG-002 for site control purposes. Groundwater

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Explosives,

Metals

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	198601 .	198802
CS	199111 .	199609
RFI/CMS	199609 .	199906
DES	199910.	200112
IRA	198804 .	198808
CMI(C)	200012.	200307
LTM	200307 .	203307

RC DATE: 200307

monitoring began at DPG-002 in 2000. Shallow groundwater at this site is considered Class 4 (high TDS). A soil cover cap design was approved and constructed in FY02 to cover waste remaining in place. A post closure permit was issued in September 2005.

CLEANUP STRATEGY

Groundwater monitoring and cap maintenance will continue as needed (assumes until 2033).

DPG-003 VEHICLE DECON PAD (AND BLDG T-9410)

SITE DESCRIPTION

This is a 7-acre site in the All Purpose Grid area with a 450 ft² concrete pad. Active in the 1960s, the site reportedly was used for decontamination of VX contaminated vehicles. Also located at the site are a building, bermed surface depression, stained soil, three mounded areas, a trench, two drainfields, two sewer lines, a septic tank, and a transformer. The sewer lines reportedly handled fluids utilized for decontamination purposes. Marston matting is present on the ground surface in the western portion of the site, and discarded batteries and glassware are visible in several areas.

The area initially investigated as the decontamination pad area was later determined to be the site of a former maintenance shop. The actual decontamination pad area was located, along with a burial site, following the Phase I investigation. A Phase II RFI is complete. Due to the proximity and similarity of DPG-001 and DPG-005, these sites have been combined with DPG-003 for the Phase II RFI. ABPs were detected in

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Arsenic, ABPs, Benzene

MEDIA OF CONCERN:

Soil, Groundwater

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	200305	200607
DES	200602	200607
IRA	199310	199412
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

the sewer lines and drainfields. An IRA was performed in 1993 to remove marston matting debris. A benzene plume has been detected around the former UST. A Source Removal Investigation has been completed to remove a fuel UST and contaminated soil and to complete the site characterization. There is potential for VX residue to be present beneath the existing Decon Bldg and the adjacent drainfield.

This site is included in the FY06 PBC award.

CLEANUP STRATEGY

Complete a CMS Report. Soil cover over a number of areas (8 areas) is expected to be the preferred remedy, along with building and debris removal, decontamination (3X) and disposal in an approved landfill. Thirty years of groundwater monitoring is expected to follow.

DPG-004 OLD BAKER LAB @ NORTH GRANITE PEAK

SITE DESCRIPTION

This is a 220-acre site of a former biological warfare material laboratory and self-supporting facility located at the north end of Granite Peak, active from the 1940s to 1953. The site consists of numerous trenches and disposal areas, building foundations, and concrete rubble and debris from the demolished buildings.

Approximately 20,000 cy of miscellaneous rubbish was removed in 1994 under a base contract. Phase I RFI activities included relatively limited soil sampling due to the lack of information regarding locations and past uses of the site.

CLEANUP STRATEGY

This site is expected to be in the FY08 PBC award. A Phase II RFI report will be completed (final October 2007). The removal of 2 waste piles and debris may be required. Institutional controls will be maintained.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN: Metals (Lead), PAHs, Pesticides

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	<u>End</u>
RFA	199107	. 199111
CS	199210	. 199610
RFI/CMS	199610	200710
DES	200710	200801
IRA	199310	. 199412
CMI(C)	200901	200909

RC DATE: 200909

DPG-008 BURIAL SITE WEST GRANITE PEAK

SITE DESCRIPTION

This is a 50 ft diameter waste pile in a 4 ft deep pit located west of Granite Peak, reportedly the site of a former building, active during the 1970s.

Approximately 32 tons of debris were removed in 1993 and transported to DPG landfill. This debris included remnants of an old building, scrap wood, wire, wooden spools, cardboard rolls, plastic bottles, and unknown ordnance. One load of recyclable iron was transported to DPG-007 for consolidation. Additionally, DPG Technical Escort and Disposal Detachment removed four unexpended HC smoke rounds for disposal.

A soil and debris removal was completed in fall 2005.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

PAHs, SVOCs, Dioxins

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	200308	200609
IRA	199310	199412

RC DATE: 200609

CLEANUP STRATEGY

No further action is expected upon completion of the RFI (Jan 2007).

DPG-009 STORAGE SITE 3X SCRAP MATERIAL

SITE DESCRIPTION

This is a 2.5-acre area, located in the central portion of DPG at the western flank of Granite Peak. The site includes an open storage area and staging area where waste was added from 1975 to 1976. This site was primarily used for the aboveground storage of range debris from range clearance activities, 3X-decontaminated material from the West Granite Holding Area (DPG-192), and for limited burial operations.

In 1988, warning signs were placed at DPG-009 for site control. In 1990, M55 rocket motors and fiberglass shipping containers, classified as F999 waste, were removed from the site and transported to Grassy Mountain facility for disposal. The 3X-decontaminated material accumulations were removed from the site by 1993. Scrap metal was taken to the DRMO at Tooele Army Depot, rocket residue was sent to Grassy Mountain, and miscellaneous rubbish was disposed in the DPG landfill. After the debris piles and debris in the trench were removed, the

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Explosives,

Metals

MEDIA OF CONCERN:

Soil, Possibly Groundwater

Phases	Start	End
RFA	198601	198802
CS	199111	199609
RFI/CMS	200602	200703
DES	200602	200706
IRA	198802	200706
CMI(C)	200602	200709
LTM	200809	203809

RC DATE: 200709

fenced area was disked and graded to uncover additional near-surface metal debris. Some debris, including M55 warheads, CS submunitions, 8-inch artillery rounds, and a pile of 376 M55 rockets are still present on the site. Additional investigation is needed to identify the location of suspected burial trenches. Testing results indicate that any PCB-related concerns with an open detonation operation are unfounded.

This site is included in the FY06 PBC award.

CLEANUP STRATEGY

Additional investigation is planned. An IRA to remove the M55 rocket pile will be conducted. Debris removal and risk based closure is anticipated.

DPG-011 LOW LEVEL RAD BURIAL PITS, E GRANITE PEAK

SITE DESCRIPTION

This is a 16-acre site, corresponding to the location of the former East Granite Holding Area (active 1950 to 1977), consisting of three open trenches and two backfilled trenches. The backfilled trenches were used for disposal by burning of beryllium-containing missile propellant waste accepted by the Army from the Air Force in 1965. Types of materials stored at the holding area included tritium and carbon-14, which were placed there between 1958 and 1977.

Removal of debris first occurred in March 1980 when DPG Radiation Protection Office collected glassware contaminated with carbon-14 and delivered it to the chemical laboratory in the Ditto area for disposal. Removal of debris continued through 1985 when materials were transported to a munitions igloo located in the Baker Area (DPG-174). Stained soil observed in excavation pits during Phase I activities were believed to indicate

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Radiation (Alpha), Beryllium

MEDIA OF CONCERN:

Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199604	200703
DES	200704	200708
IRA	199310	199412
CMI(C)	200708	200809

RC DATE: 200809

contamination from burning activities. In 1993, warning signs were placed at DPG-011 for site control.

A Phase II RFI Work Plan and field work will be completed in Feb 2006.

CLEANUP STRATEGY

This site is expected to be included in the FY07 PBC award. A Phase II RFI will be completed (expected final in March 2007), and soil and debris removal is expected.

DPG-014 DISPOSAL SITES, JCT DOWNWIND & JULIET RD

SITE DESCRIPTION

DPG-014 is located at the southern end of the Downwind Grid in the central portion of DPG. southeast of Granite Peak. The site consists of a trench with a vehicle access ramp, a soil pile, and a detonation crater. Waste was added from the 1960s to 1980. When it was originally designated, the unit consisted only of an excavated area and the adjacent soil pile. The excavated area was approximately 95 x 40 ft wide, and 12 to 15 ft deep when active, and the pile of excavated soil was approximately 6 to 8 ft high. This site was used to manage a wide range of solid waste materials, including range-related debris such as tear gas and fog oil canisters, empty decontamination fluid containers, smoke pots, 155-millimeter (mm) ordnance fragments. CS bomblets, several types of munitions including M55 rockets, magnesium-filled incendiary rounds, munitions with unknown contents, and wooden ammunition cases.

Site control measures were taken in 1988, with warning signs placed about the area. Removal of

some of the debris occurred from 1993-1995. Munitions were stockpiled and destroyed on-site by Army EOD; rubbish was hauled to the DPG landfill; and scrap was transported to the DRMO. Minimal ordnance debris remains on site.

Groundwater monitoring has been conducted at DPG-014 since 1996. Additional groundwater assessment activities were conducted in FY01. No significant contamination was found in groundwater. Groundwater monitoring requirements were reduced in 2003. Future groundwater monitoring requirements will be conducted under the downrange GMA.

This site was included in the FY06 PBC award.

CLEANUP STRATEGY

A cap with surface MEC removal is expected. Future requirements will be evaluated during the closure design.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Explosives,

Metals

MEDIA OF CONCERN:

Soil

<u>Phases</u>	Start	<u>End</u>
RFA	198601	198802
CS	199111	199609
RFI/CMS	199609	200601
DES	200602	200607
IRA	198802	199512
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

DPG-015 RISING SUN TEST AREA (DISPOSAL SITE)

SITE DESCRIPTION

This is a 1-sq mile site of former underground tunnel fortifications located in the Tower Grid area which was active in the 1940s. The site was reportedly used to test agent munitions (including CG, CK, H, and HD agents) on underground fortifications.

In 1993, warning signs were placed in the area for site control purposes. Construction debris, ordnance fragments and possible chemical-agent related ordnance are scattered across the site, and the explosive risk is considered to be high. Because of this risk, a very limited Phase I investigation was performed, which consisted of a GPS Survey (used for mapping purposes). A Phase II RFI is underway. A geophysical survey required for future test pitting or sampling has been completed.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: NE

CONTAMINANTS OF CONCERN:Chemical Agents, ABPs, Explosives

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200703
DES	200704	200706
IRA	199310	199412
CMI(C)	200707	200805

RC DATE: 200805

CLEANUP STRATEGY

This site is expected to be included in the FY07 PBC award.

Complete the Phase II RFI (expected final in March 2007). Anticipate debris removal, grading, and institutional controls.

DPG-017 AGENT DISPOSAL SITE @ S TOWER GRID

SITE DESCRIPTION

This is a 178-acre fenced waste burial area located in the Tower Grid area, active from 1950 to 1977. The site was reportedly used during demilitarization of chemical weapons. There are three trenches, six mounds, a drum storage area, and a concrete pad. In 1991, warning signs were placed in the area for site control purposes. Approximately 46.6 tons of debris were removed under a base contract in 1993. The debris removed consisted of demilitarization residues, equipment and non-military related debris. Approximately 15.4 tons of this debris were hauled to the DRMO, while 31.2 tons of agent decontaminated materials were disposed as F999 waste at the Grassy Mountain facility.

The explosive risk associated with this site is considered to be high during Phase I activities, therefore all soil and groundwater sampling was performed outside of the fenced area. Elevated metal levels in soil and down-gradient

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

ABPs, Metals, Explosives

MEDIA OF CONCERN:

Soil, Groundwater

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200509
DES	200602	200607
IRA	199107	199310
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

groundwater samples were duplicated in the upgradient well, so there is doubt that DPG-017 is the source. During site reconnaissance, new burial pits were discovered in the SW corner of the site. New monitoring wells were installed adjacent to the newly discovered burial pits. Limited debris removal was completed in fall 2002. The Phase II RFI report was approved by DSHW in September 2005.

This site was included in the FY06 PBC award.

CLEANUP STRATEGY

Soil and debris removal and capping of 6 areas is expected. LTM groundwater monitoring will be included in downrange GMA.

DPG-018 DISPOSAL SITE @ SE TOWER GRID

SITE DESCRIPTION

This is a 0.3-acre site of an unlined trench (60 x 15 ft), two soil mounds, and metal tower sections located in Tower Grid area, active in the 1960s and 1970s. Reportedly, agent-containing wastes were disposed of in the trench. Formerly, the trench contained scrap wood and metal, wire, filters, smoke canisters, munitions fragments, 55-gallon drums, and cable.

In 1993, 28.5 tons of this debris was removed under base contract, including the metal tower sections, and disposed at the DPG landfill. 2.5 tons of suspected agent-decontaminated debris was removed and disposed of at the Grassy Mountain facility. The final Phase II RFI was approved in Oct 2003 and the final CMS was approved in Nov 2003.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Metals (Lead, Antimony)

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200311
DES	200602	200706
IRA	199305	199311
CMI(C)	200512	200712

RC DATE: 200712

CLEANUP STRATEGY

Remove metals-contaminated soil and debris.

DPG-019 DISPOSAL SITE @ NE TOWER GRID

SITE DESCRIPTION

This is a 0.3-acre site of an unlined trench (60 x 10 ft), a partially back-filled pit, and two soil mounds, located in the Tower Grid area, active in the 1960s and 1970s. Formerly, the trench contained scrap wood and metal.

Approximately nine tons of debris were removed under base contract and disposed of at the DPG landfill in 1993. The debris removed consisted of miscellaneous cans/containers, metal scrap, and miscellaneous rubbish. At the eastern end of the trench, there remains a partially buried 1,000-gallon tank. Due to the presence of the tank, a Phase II RFI was conducted. The tank was removed in February 2003. The final RFI was approved in February 2005.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Chemical Agent, Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	. 199111
CS	199210	. 199610
RFI/CMS	199610	. 200502
DES	200602	<u>. 200706</u>
IRA	199305	. 199310
CMI(C)	200706	. 200712

RC DATE: 200712

CLEANUP STRATEGY

Soil and debris removal is expected.

DPG-021 DISPOSAL SITE @ N CAMELBACK RIDGE

SITE DESCRIPTION

This is a 3-acre site of a fenced disturbed area located in the Ditto area, active from the 1940s to 1950s. The disturbed area includes a large mound and several cave-in areas. Outside of the disturbed area is a metal debris pile and scattered wood, metal, glass, and plastic scrap material. Reportedly, the site was used for the disposal of target grid samplers. Each sampler consisted of a vacuum pump, solenoid, and radio receiver. Although knowledge of the burial of munitions is not known at the site, numerous rocket motors and ordnance fragments were found at the surface. Lead acid batteries also may have been disposed at the site.

Because the explosive risk at the site is considered to be high, all soil and groundwater sampling was performed outside the fenced area during the Phase I activities. In 1993, warning signs were placed in the area for site control purposes. Wells were installed into the shallow groundwater adjacent to the burial trenches. TCE has been detected in one well. The final RFI was approved in October 2005.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Metals, ABPs, TCE

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200510
DES	200602	200607
IRA	199310	199412
CMI(C)	200602	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Soil and debris removal and capping is expected, with LTM to follow. Costs will be included in the DPG-197 downrange GMA.

DPG-023 WASTE BURIAL SITE (TOWER GRID)

SITE DESCRIPTION

This is a 0.8-acre abandoned burial site consisting of a L-shaped depression and paved access area located near Tower Grid, and was active during the 1950s. The L-shaped area contains a backfilled trench overlaid by a soil mound, and a smaller mound with some scrap metal. Numerous cave-ins are present in the backfilled trench at the southern end of the depression, and a large unvegetated, disturbed area is located on the northern end of the depressed area. The site was reportedly used for the disposal of classified waste (Trial C-990) residues.

In 1993, warning signs were placed in the area to control the site. The final Phase II RFI report was approved in September 2004.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

PHASES	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200409
DES	200602	200706
IRA	199310	199412
CMI(C)	200512	200712

RC DATE: 200712

CLEANUP STRATEGY

Soil and debris removal is expected.

DPG-025 DISPOSAL AREA JCT LIMA & STARKS ROADS

SITE DESCRIPTION

This is a 0.4-acre site of soil mound (50 ft diameter, <1 ft high) located in the Downwind Grid area, active from 1950 to 1955. The site was reportedly used to dispose of red and white phosphorus residues.

In 1993, warning signs were placed in the area to control the site. Following Phase I RFI, a new location for DPG-25 was found. This new location was investigated during Phase II. Chloroform, methylene chloride, and trichloroflouromethane were detected in the soil; and PCE was detected in the soil gas. The RFI report was approved in Oct 2004.

This site was included in the FY06 PBC award.

CLEANUP STRATEGY

Soil and debris removal.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Arsenic, Solvent

MEDIA OF CONCERN:

Soil

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200410
DES	200602	200706
IRA	199310	199412
CMI(C)	200512	200712

RC DATE: 200712

DPG-031 WASTE BURIAL SITE (NORTH WIG MOUNTAIN)

SITE DESCRIPTION

This site is a 0.9-acre partially backfilled trench. The site is located in the All Purpose Grid area and was active from the 1950s to 1960s. Although the exact type and amount of waste disposed at this site is unknown, it is reported to contain refuse such as metal and scrap.

In 1993, warning signs were placed in the area to control the site and correct location was identified.

CLEANUP STRATEGY

Complete a RFI Work Plan, RFI and CMS. The RFI field work is scheduled for summer 2006. Soil removal may be needed.

This site is expected to be included in the FY07 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Suspected Biological Waste

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	. 199107	199111
CS	. 199210	199610
RFI/CMS	. 199610	200707
DES	. 200708	200712
IRA	. 199305	199412
CMI(C)	. 200712	200809

RC DATE: 200809

DPG-032 DUMP SITE SW OF BAKER LABORATORY

SITE DESCRIPTION

This is a 3.6-acre site of six distinguishable unlined trenches, four mounds, four debris piles, a 500 ft² area having little or no vegetation, and a drum storage area located in the Baker area, active from the 1950s to 1960s. The site is reported to contain wastes from Baker activities, including autoclaved lab materials and wastes, animal cages, incinerator ash, melted glass, burnt materials, demilitarization materials, steel piping, and construction materials.

Warning signs were placed at the site in 1993. The Phase II RFI is underway (sampling is scheduled for summer 2006).

CLEANUP STRATEGY

Complete the RFI and CMS. Capping of three areas is expected.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN: Metals, Biological Agents, PAHs

MEDIA OF CONCERN:

Soil, Groundwater

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200709
DES	200709	200801
IRA	199305	199412
CMI(C)	200801	200809
LTM	200909	203909

RC DATE: 200809

This site is expected to be included in the FY07 PBC award.

DPG-035 DRAINFIELD, NORTH OF BAKER LABORATORY

SITE DESCRIPTION

This is a 5-acre site immediately northeast of Baker, active from 1944 to 1975. The site consists of a drainfield (fenced, ~5 acres), piping to the treatment plant, a wet well, and the abandoned treatment plant (including 8 holding tanks). Effluent discharged into the sewer system included sanitary wastes, laboratory chemicals, and other liquid wastes from the Baker area.

Warning signs were placed at the site in 1993. The sewage treatment plant and associated piping were not investigated during the Phase I investigation because the facilities were added to DPG-035 after the Phase I investigation. The Phase II RFI is underway.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Biological Agents, Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200804
IRA	199305	199412

RC DATE: 200804

CLEANUP STRATEGY

The tanks and piping will be removed and confirmatory samples will be taken (Fall 2006).

DPG-037 LANDFILL, WEST OF DITTO TEC CENTER

SITE DESCRIPTION

DPG-037 is an inactive landfill located ~1,400 ft southwest of the Ditto Technical Center. Available data, including aerial photographs, indicate DPG-037 is approximately 19 acres. Numerous soil mounds and depressions exist throughout the site, as well as several piles of ash and asphalt, a 5 ft deep trench, a small ordnance mound, and numerous trench and fill areas that were used from the 1940s to 1975. Other waste and debris observed at DPG-037 include: test tubes, gas masks and filters, needles and syringes, animal bones, fire brick, plates, heat-treated glasswares, and chemical aprons. Previous investigation work has revealed waste is in contact with groundwater.

Included within DPG-037 are two small SWMUs-87 (landfill) and 89 (waste pile). SWMU-87 consists of a single backfilled trench (500 x 30 ft) and has been backfilled to approximately 2.5 ft above grade with a mixture of soil and debris. Metals, SVOCs, and DIMP were detected in soil

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONERN: SVOCs, VOCs, BNAs, DIMP, ABPs,

Explosives, Metals

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	<u>End</u>
RFA	198601	198802
CS	198905	199609
RFI/CMS	199609	200107
DES	199606	200108
IRA	199610	199612
CMI(C)	200109	200604
LTM	200704	203704

RC DATE: 200604

during Phase I investigations. SWMU-89 consists of a 200 x 75 ft pile of asphalt with some bricks, a coal pile (25 ft diameter), and two 5-gallon buckets of tar. Warning signs were placed at the site in 1996. Groundwater monitoring has been conducted at DPG-037 since 1996. Low levels of VOCs have been detected, but do not appear to be migrating. Cone penetrometer and hydropunch groundwater investigation work was performed in FY01. Soil and landfill gas investigation work was performed in FY02.

Covering of the landfill trenches is complete for closure of this site. DPG obtained a variance from UDEQ for a non-engineered cover.

CLEANUP STRATEGY

LTM will continue to include fence and cover maintenance.

DPG-039 LANDFILL NORTH OF AVERY

SITE DESCRIPTION

DPG-039 is an inactive landfill (4 acres) located approximately 2,300 ft northeast of the Avery Technical Center. Engineering drawings of the unit are not available, so dimensions given are based on field measurements. The small landfill covers an area that is approximately 300 x 600 ft and can be accessed from unimproved roadways. The disposal area, which consists of several unlined trenches, is excavated in native soil. Other features at the site are four soil mounds scattered in the vicinity of a concrete pad (60 x 15 ft) whose original purpose is unknown. Reportedly, hazardous materials were disposed at the landfill during the 1950s to 1985.

An IRA of waste removal occurred in 1992. The DES for the cap was modified in February 2006.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Explosives,

Metals

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	198601	198802
CS	198905	199609
RFI/CMS	199609	200307
DES	200211	200307
IRA	199205	199205
CMI(C)	200310	200509
LTM	200804	203809

RC DATE: 200509

CLEANUP STRATEGY

The site will be capped in fall of 2006. LTM will follow.

DPG-041 EVAPORATING POND @ AVERY FACILITY

SITE DESCRIPTION

This site consists of a 5,800 ft² evaporation pond with an asphalt liner and the associated liquid waste disposal and treatment system. Also included are treatment tanks and buried pipes associated with the former operations. The site is located in the Avery technical area and was active from the early 1950s to the 1960s. Reportedly, radioactive decontamination water effluent discharged into the pond.

DPG-184 (Air Filter System, Bldg 1004) was combined with this site in 2003.

A Phase II RFI is underway. The field work is scheduled for completion in April 2006.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Metals, VOCs, SVOCs,

Radionuclides

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS.	199610	200705

RC DATE: 200705

CLEANUP STRATEGY

Complete the RFI (expected approved in Sept 2006) and CMS. NFA is likely upon completion of RFI.

DPG-043 OLD LANDFILL FOR ENGLISH VILLAGE

SITE DESCRIPTION

DPG-043, known as the Old English Village Landfill, is a 70-acre area located ~1.5 miles south of English Village. This site is located over a productive high quality groundwater source. There are numerous gravel and dirt roads throughout the site, including two eastwest roads that run along the northern boundary and approximately through the center of the site. DPG-043 was in operation from the early 1950s to 1987. It was used to manage miscellaneous refuse from all DPG areas and was the primary landfill for English Village. Other major waste generators included the Avery, Ditto, and Baker areas, with significant minor contributions from the Carr Facility and Michael Army Airfield. Due to the nature of services and testing at these facilities, it is possible that hazardous wastes have been disposed at this landfill. Typical materials included biological and chemical wastes, oil cans, test area refuse, fly ash from the Baker incinerator and sludge from the English Village Gas Station Sump. Surface

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, SVOCs, Metals

MEDIA OF CONCERN:

Soil, Groundwater

Start	<u>End</u>
198601	198802
198905	199609
199609	200309
199808	200309
199205	199205
200109	200408
200508	203508
	198601 198905 199609 199808 199205

RC DATE: 200408

features of the landfill include numerous linear trenches, soil and debris piles, with some protruding sanitary and household waste. In addition there is a large pile of asphalt rubble, and an asbestos disposal area located within the landfill.

Warning signs were placed at the site in 1992. The groundwater monitoring conducted since 1996 at DPG-043 has detected no significant contamination. In 2003-4, construction debris (40,000cy) from DPG-042 was relocated to DPG-043. Debris was removed and the site was capped in winter 2004.

CLEANUP STRATEGY

The cap will be maintained.

Groundwater monitoring includes the English Village GMA.

DPG-052 WASTE BURIAL SITES (EAST SE OF CARR)

SITE DESCRIPTION

This site is a burial site in the Carr area; it covers 2-acres, and was active during the 1940s. The disposal area includes seven backfilled trenches, several soil mounds, a former German bomb storage area, and munitions debris. Surface debris was removed under a base contract in 1993. The debris removed consisted of empty WWII German bombs, empty 55-gallon fog oil drums, munitions debris, and miscellaneous debris.

Approximately 6.5 tons of empty drums were hauled to the DRMO, 25 tons of munitions debris and empty bombs were disposed as FY99 waste at the Grassy Mountain facility, and the remaining 4 tons of debris were taken to the DPG landfill. Phase I activities were deferred upon discovery of a white phosphorous round and an HE round, which were subsequently destroyed on-site. Chemical agent (mustard) and ABPs were detected in soil. TCE was detected in groundwater.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVERS: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:Chemical Agents, ABPs, TCE, UXO

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	Start	<u>End</u>
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200603
DES	200603	200607
IRA	199305	199310
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Capping of 6 areas is expected. LTM will follow (CAP maintenance). Groundwater monitoring is included in the DPG-061(CARR GMA).

DPG-054 DISPOSAL AREA(S), EAST OF CARR FACILITY

SITE DESCRIPTION

This site is located in the Carr area, and is approximately 9.5-acres. It was active from the 1960s to 1970s. The disposal area consists of three unlined backfilled trenches reported to contain chemical agent-contaminated materials, including munitions.

Phase I activities were deferred upon discovery of UXO scattered on the surface. During the Phase II RFI, angle borings were used. The surface and sub-surface soil does not show a risk and meets clean closure requirements. The Phase II RFI report was approved in Oct 2003.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	. 199107	199111
CS	. 199210	199610
RFI/CMS	. 199610	200309
DES	. 200602	200607
CMI(C)	. 200607	200 <mark>704</mark>
I TM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Capping and LTM is expected. Groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-055 3X DISPOSAL SITE, E OF CARR FACILIY

SITE DESCRIPTION

DPG-055 is an inactive disposal site located approximately 1 mile southeast of the Carr Facility. The site consists of two parallel trenches, each with approximate surface dimensions of 400 x 70 ft. The site was used from 1943 to 1985. The waste trenches were constructed by excavating elongated trenches of unknown depths into the native soil. Wastes were placed in the trenches and then covered using the excavated soil from the immediate area. Wastes disposed of at DPG-055 include items previously contaminated with chemical agents: Sarin (GB), mustard (HD), and nerve agent (VX), drums of DMP/polymers, and residues from agent decontamination procedures.

Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-055 since 1996. Additional soil and groundwater investigations were completed in 2002 and 2004. High levels of TCE were detected in soil vapor. A TCE plume has been found in groundwater.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

TCE, SVOCs, ABPs, Metals,

Explosives

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	198601	198802
CS	198905	199609
RFI/CMS	199609	200602
DES	200607	200610
CMI(C)	200610	200709
CMI(O)	200709	201209
LTM	201304	204304

RIP DATE: 200709 **RC DATE**: 201209

CLEANUP STRATEGY

This site is expected to be included in the FY06 PBC II award.

The final field activities report is expected to be approved in February 2006. Capping of waste material may be required for closure of this site. LTM will be needed for cap maintenance. Bioremediation of groundwater is anticipated. Groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-056 STORAGE SITE, E OF CARR FACILITY

SITE DESCRIPTION

This is a 10.4-acre site of waste piles located in the Carr area, active during the 1970s. The disposal area consisted of eight detonation craters, a backfilled trench (with another trench suspected), as well as former piles of debris. There is an additional trench located across the road.

In 1993, removal of 145 tons of debris (under base contract) consisting of 105-mm shell-casings, propellant charge cans, and lids were taken to the DRMO, as well as miscellaneous debris taken to the DPG landfill. ABPs were detected in soil samples from four detonation craters. A nearby pile of illumination flare debris was not identified in the RFA, but is being investigated in conjunction with this site. The illumination flare debris is referred to as DPG-056B. Test pitting in the area led to the discovery of buried waste.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Chloroform, ABPs, Explosives

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	Start	<u>End</u>
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200510
DES	200602	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

There is a chloroform plume in the groundwater. Explosives and ABPs have been detected in the soil.

The RFI was approved in October 2005.

This site was included in the FY06 PBC award.

CLEANUP STRATEGY

Nine areas are expected to be capped, followed by cap maintenance. Groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-058 EVAPORATION POND @ CARR FACILITY

SITE DESCRIPTION

DPG-058 is an inactive surface impoundment (used from 1965 to 1986) which had previously been used for evaporative disposal of decontaminated toxic waste solutions generated by various facilities, including the Toxic Agent Transfer Building in the Carr Facility. The original pond was a shallow impoundment (approximately 150 x 150 x 4ft deep) at the bottom of a large excavated area. The unit was last used in 1986, after which it was retrofitted to include a double liner and a leachate collection system. The retrofitted unit was never used.

Warning signs and fencing were placed at the site in 1988. Groundwater monitoring has been conducted at DPG-058 since 1996. In response to the 1998 Notice of Violation, the observation sump was emptied and decontaminated. Additional soil and groundwater investigation activities were completed in September 2004.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Metals

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	<u>End</u>
RFA	198601	198802
CS	199111	199609
RFI/CMS	199609	200603
DES	200610	200704
IRA	198802	200103
CMI(C)	200704	200709
LTM	200904	203904

RC DATE: 200709

CLEANUP STRATEGY

This site is expected to be included in the FY06 PBC II award.

The field activities report is expected to be approved in March 2006. The expected CMI includes bringing the pond up to grade and capping. Cap maintenance will follow.

Groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-060 CHEMICAL STORAGE AREA @ CARR FACILITY

SITE DESCRIPTION

This is a 30-acre L-shaped storage area located in the Carr area, active from the 1950s to 1980. The site is comprised of three separate storage areas, which include numerous concrete and asphalt pads and several former buildings, as well as the sewer system in Carr. The site was reportedly used to store a number of hazardous and non-hazardous materials, and as a transfer point for chemical agents used in open air testing. This site is no longer used for storage, the drums have been removed.

A Phase II RFI is underway. Chlorinated solvents and mustard have been detected in the soil. Chlorinated solvents have been detected in the groundwater. Two sewer man-holes identified within DPG-150 appear to be the source of the chlorinated solvent.

Additional sampling was completed in winter 2005.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

VOCs, Metals, ABPs, CWA in Red

Dirt Sample

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	<u>End</u>
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200703
DES	200704	200707
CMI(C)	200708	200712

RC DATE: 200712

CLEANUP STRATEGY

This site is expected to be included in the FY07 PBC award.

Finalize the RFI report (expected March 2007). Soil removal is expected. The groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-061 CONTAMINATED SOIL @ NEW CARR FACILITY

SITE DESCRIPTION

This is a 1.1-acre former drainfield and dry well located in the Carr area, active prior to 1986. Contamination at this site was first noted during construction of Buildings 3242 and 3244. In 1986, over 600 cy of HD-contaminated soil was excavated and moved to Pad 7 (DPG-059) under base contract. Ultimately the soil was disposed of at the Grassy Mountain facility.

During the Phase II, a large plume of TCE (7 ppm) was discovered in the groundwater. The plume appears to be migrating cross-gradient. Additional groundwater investigation work was completed in December 2001 to better define the extent of groundwater contamination.

CLEANUP STRATEGY

This site is expected to be included in the FY07 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Chemical Agent HD, VOCs

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199107	199111
CS	. 199210	199610
RFI/CMS	199610	200704
DES	200704	200707
CMI(C)	200708	200712
CMI(O)	200712	201112
LTM	.201212	204212

RIP DATE: 200712 **RC DATE**: 201112

Anticipate RFI completion in September 2006 to be No Further Action on soil and bioremediation for groundwater.

Groundwater monitoring for the Carr GMA is funded under this site.

DPG-079 WASTE PILE (SW OF LITTLE GRANITE MTN)

SITE DESCRIPTION

This is a 30-acre waste pile site in the Carr area, also known as "Old Lincoln Highway Landfill". active in various areas from the 1940s through 1970. Due to their proximity and similarities. DPGs-057, 079, 080, & 106 have been combined into one site, DPG-079. The disposal area consists of numerous open trenches, backfilled trenches, soil mounds, debris piles. areas of stained soil, and a disturbed area. The area was used for disposal of wastes from chemical testing activities. The disposal area is also known to be within an inactive chemical agent (HD) mortar impact area. Biological warfare simulant (BG) bomblets are also present at the site.

To date, Phase II RFI activities have included angle borings under disposal trenches, surface soil sampling, direct push groundwater sampling, lithologic profiling, and installation of monitoring wells. There are high levels of chlorinated solvents in groundwater in an

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

TCE, Metals, Suspected ABPs

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200603
DES	200603	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

otherwise productive aguifer.

Finalize RFI (expect final approval in March 2006). The RA may include: soil and drum removal and capping.

The groundwater will be monitored under the Carr GMA (funded under DPG-061).

DPG-090 BURNING AREA, EAST OF CARR FAC (EPIC-10E)

SITE DESCRIPTION

DPG-090 is composed of three elongated mounds within an oval-shaped area approximately 800 x 400 ft wide. The site was active from the early 1960s to 1985. This unit was used for disposal of range clearance materials and burning of wastes from the Carr Facility and the ranges. Wastes consisted of ordnance, propellants, decontamination solutions, debris collected during rangeclearance activities, illumination rounds, scrap metal, and miscellaneous 3X debris. Materials were burnt upon placement in pits. In 1994, scattered surface debris was hauled to a gondola (roll-off bin) at DPG-194 and then disposed off-site. No open detonation took place at the site.

Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-090 since 1996. No significant contamination has been detected. Slant borings were conducted under the trench in FY02, no

significant contamination was detected. The waste in the trenches has not been sampled. Data gap sampling took place in FY03.

The site was capped in November 2005.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

VOCs, BNAs, ABPs, Pesticides, PCBs, Explosives, Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199107	199609
RFI/CMS	199609	200307
DES	200506	200510
IRA	199205	199205
CMI(C)	200510	200606
, ,	200706	

RC DATE: 200606

CLEANUP STRATEGY

LTM for cap maintenance. The groundwater will be included under the Carr GMA (funded under DPG-061).

DPG-097 DRAINFIELD & DECONTAMINATED PAD (AVERY)

SITE DESCRIPTION

This is a 2.5-acre abandoned drainfield located in the Ditto area, active from 1940 to 1959. A decontamination pad was reportedly associated with the drainfield, but is no longer present. The drainfield is located adjacent to the runway at Michael AAF, where aircraft decontamination activities are known to have taken place.

Arsenic was the only contaminant detected above the screening level during Phase I activities, and is believed to reflect higher background levels in the area. A chlorinated solvent plume was discovered during Phase II RFI activities.

CLEANUP STRATEGY

The draft final RFI report will be submitted in April 2006, with final approval expected in December 2006.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

TCE, Arsenic

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200610
IRA	200310	200701
CMI(C)	200701	200707
LTM	200709	203710

RC DATE: 200709

An in situ bioremediation pilot study is being conducted and final report is expected in March of 2007.

All groundwater for the Ditto GMA will be addressed under this site (DPG-036, 037, 038, 039, 041, 097, 133, 163 177).

DPG-098 PIPELINE EXCAVATION VICINITY OLD IGLOOS @ CARR FACILITY

SITE DESCRIPTION

Site history depicts red stained soil along a 490-ft section of underground piping leading from the Carr facility to an old igloo storage area. Contaminated soil was discovered during a pipeline excavation in 1986. Agents and ABPs were detected in samples obtained at the time of the 1986 excavation. Excavated soils were taken to DPG-059 and subsequently disposed in 1998.

During Phase II RFI investigation activities, soil borings were completed in the area thought to be the pipeline excavation. Undisturbed soil was encountered. Additional personnel interviews, site reconnaissance, and aerial photo interpretation were conducted to determine the correct site location. Chloroform was detected (below action levels) in groundwater.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

ABPs, Metals, VOCs, SVOCs

MEDIA OF CONCERN:

Soil, Groundwater

Phases	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200609

RC DATE: 200609

CLEANUP STRATEGY

The final RFI (requesting no further action) is expected to be approved by DSHW in August 2006.

DPG-114 OLD GPI-3 TEST SITE (NW V-GRID)

SITE DESCRIPTION

The former Granite Peak Installation (GPI-3) Test Site of uncertain size, purpose, and time of usage is located in the northwestern sector of V-Grid. The site consists of biological laboratory building foundations, sewer lines, non-fuel ASTs (treatment), surface debris, and a water-contained pit with soil mounds on each side. Two waste piles located southwest of the test site, originally identified as DPG-202, have been incorporated into DPG-114 due to their proximity. The waste piles were noted to contain wood and scrap metal.

CLEANUP STRATEGY

The Phase II RFI is underway (field work is planned for summer 2006). Complete the Phase II RFI (expect final approval in October 2007).

This site is expected to be included in the FY08 PBC award.

Soil and debris removal and septic system abandonment is expected.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Bio and Lab Waste

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200710
DES	200709	200803
CMI(C)	200804	200810

RC DATE: 200810

DPG-115 DISPOSAL PIT, X-RAY RD 1 MI S OF BLDG T9490

SITE DESCRIPTION

This is a 0.2-acre barren disposal pit located in the All Purpose Grid area, and active dates are unknown. The disposal area consists of a pit that had formerly contained miscellaneous debris, including scrap ordnance, wire, pipe, buckets and lumber. It is possible that propellants and items contaminated with chemical agent were disposed of at this site. Observations have indicated that there also may be backfilled trenches located at the site.

Approximately 25-tons of surface debris were removed under base contract in 1993 and disposed of at DPG landfill. The debris consisted of an old icebox, electrical wiring, sand-filled propellant charge cans, lumber, pallets, rubber tiring, concrete, and metal posts. Some debris remains, however.

No significant contamination was detected; however, the waste has not been sampled. The final RFI was approved Sept 2004.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200409
DES	200602	200706
IRA	199301	199310
CMI(C)	200512	200712

RC DATE: 200712

CLEANUP STRATEGY

Debris removal and risk based closure is expected.

DPG-133 HWHA-3 (AIRCRAFT MAINT-SHOP WASTES)

SITE DESCRIPTION

This is an area outside the fenced storage building in the Avery Area near Michael Army Airfield (west of the hanger). This area was used for storage of wastes, most likely aircraft maintenance waste. A new storage facility was built in 1988, which is now used for storing waste.

During Phase II activities, a groundwater plume containing high levels of solvents was detected. The source appears to be past aircraft maintenance activities. The groundwater plume appears to be stable.

CLEANUP STRATEGY

Finalize the RFI report (final approval expected December 2006). NFA for soil is expected.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Solvents (TCE, PCE)

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200612

RC DATE: 200612

The groundwater will be addressed under Ditto GMA (funded under DPG-097).

DPG-150 WASTE LINES BLDG 3445 CARR

SITE DESCRIPTION

DPG-150 has been renamed and redefined to investigate the piping leading from Bldg 3445 to DPG-058. Previous site descriptions identified the site as a portion of an active facility used to manage wastes generated in Bldg 3445. That system will be evaluated when the associated facility is closed. DPG-150 is now being investigated as the lines leading from Bldg. 3445 to DPG-058.

Phase II RFI is underway.

CLEANUP STRATEGY

Finalize the RFI report.

Close off the pipeline in place.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

CWA, VOCs, ABPs

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199107	199111
CS	199210	199610
RFI/CMS	199610	200703

RC DATE: 200703

DPG-154 WASTE LINES AT DTC, CARR

SITE DESCRIPTION

DPG-154 has been renamed and redefined to investigate the piping leading from Defense Test Chamber (DTC) to DPG-051. Previous site descriptions identified the site as a portion of an active facility used to manage wastes generated in DTC. That system will be evaluated when the associated facility is closed. DPG-154 is now being investigated as the lines leading from DTC to DPG-051.

The pipes were closed in place.

Phase II RFI activities are currently being implemented.

CLEANUP STRATEGY

Finalize the RFI report. NFA is expected.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN: VOCs, SVOCs, CWA, ABPs

MEDIA OF CONCERN:

Soil

Phases	Start	End
RFA	199107	199111
CS	199210	199305
RFI/CMS	199906	200703

RC DATE: 200703

DPG-173 OLD BATTERY SHOP DITTO AREA

SITE DESCRIPTION

This is a 0.75-acre site of two former lead acid battery buildings located in the Ditto area, active from 1942 to 1962. The buildings reportedly burned down and only the concrete foundations (~150 cy) remain. Two debris piles have also existed on the site, including approximately 6 tons of asphalt and stained soil that were removed under post contract. The debris consisted of dark stained soil, asphalt and a white powdery material.

VOCs, SVOCs, and metals have been detected in surface and shallow sub-surface soils.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Lead, PAHs

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199207	199307
CS	199207	199610
RFI/CMS	199610	200704

RC DATE: 200704

CLEANUP STRATEGY

Limited soil removal with confirmatory sampling is expected FY06.

Anticipate NFA.

DPG-177 OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO

SITE DESCRIPTION

This is a 5,600 ft² laundry building located in the Ditto area, active from the 1950s to 1970s. Bldg 4229 was formerly used to clean protective clothing worn in the laboratories and during field tests. However, Bldg 4229 is no longer used for dry cleaning.

A soil gas survey detected TCE and PCE in an area near the reported location of the building's sewer line. Based on that information, the site was expanded as the contamination has migrated through the Ditto sewer system.

A Phase II RFI is underway. The Phase II RFI is considering the entire sewer system at Ditto. Other buildings in Ditto, such as the photo building and the chemical laboratories, may have also contributed to sewer system contamination.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

TCE, PCE

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	Start	End
RFA	. 199207	199307
CS	. 199207	199610
RFI/CMS	. 199610	200704
IRA	. 200109	200209

RC DATE: 200704

Groundwater is contaminated with chlorinated solvents.

CLEANUP STRATEGY

The groundwater will be addressed under the Ditto GMA (funded under DPG-097).

Anticipate NFA for soil in April 2007.

DPG-180 OLD BIO LABORATORY WEST OF CARR FAC

SITE DESCRIPTION

This 4-acre site is a former biological laboratory complex located in the Carr area, which was active from the 1950s to 1960s. The site consists of six concrete building foundations, a sewer system, a former wastepile site, and an earthen bunker. This area was formerly referred to as GPI-1, and was reportedly the site of biological simulant studies until it was razed in the mid-1960s.

VOCs, SVOCs, pesticides, and metals were detected in soils at the site; therefore a Phase II RFI is recommended. Also at the site is DPG-105, a landfill (at least 0.4-acres) that had been active prior to the 1960s. The site consists of a partially backfilled trench (70 x 15 ft) and a drainage area. The trench was reportedly used for disposal of materials generated from the GPI-1 area, where crop warfare studies were performed. There is no evidence that biological agent wastes and/or residues were disposed of at the site; wastes visible in the trench include construction

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Solvents, VOCs, SVOCs, Pesticides, Metals

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	Start	End
RFA	199207	199307
CS	199207	199610
RFI/CMS	199610	200701
DES	200701	200701
CMI(C)	200701	200709

RC DATE: 200709

debris, scrap ordnance materials, laboratory glassware, and small animal cages. Only surface debris has been removed.

Phase II RFI is underway. Low levels of TCE have been detected in groundwater. The UST that held heating oil was removed in FY02. Investigations in FY03 discovered that the TCE plume is three times larger then previously believed. It appears the source of this groundwater plume is not associated with this site.

CLEANUP STRATEGY

This site is expected to be included in the FY06 II PBC award.

The Phase II RFI report will be completed (final approval expected March 2007). Soil and debris removal is expected. The groundwater will be addressed under the Carr GMA (funded under DPG-061).

DPG-183 B29 AIRCRAFT – WEST OF GRANITE PEAK

SITE DESCRIPTION

This is a 2.7-acre site of a partially buried B-29 fuselage and drum disposal area located west of Granite Peak. The active dates are unknown. Based on limited verbal evidence, the aircraft had reportedly been used during agent testing and may have been contaminated with agent. However, a representative of the US Aviation Museum concluded that the aircraft may have instead been subject to the overpressure of a nuclear explosion and landed at DPG. This area may be subject to Section 106 (historical/archeological).

Decomposed fragments of drums are located in a small drainage ravine to the east of the aircraft. The source and contents of the drums appear to be a result of the decontamination of the aircraft.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199207	199307
CS	199207	199610
RFI/CMS	199610	200701

RC DATE: 200701

A Phase II RFI is underway.

It is assumed that the aircraft will be recovered for a historic static display or parts.

CLEANUP STRATEGY

Finalize the RFI (final approval expected January 2007).

DPG-189 WASTE PIT – NORTH OF RISING SUN GRID

SITE DESCRIPTION

The waste pit and associated soil mound on the 0.7-acre site is located in the Tower Grid area, active dates unknown. The pit is six ft deep and approximately 25 ft in diameter. It is believed that range related wastes were disposed in the pit. In 1993, approximately 15 tons of debris were removed from the pit under post contract. Debris disposed at the DPG landfill included empty metal drums, canvas, wooden pallets, galvanized garbage cans, and miscellaneous rubbish. Salvageable drums were taken to the DRMO. For safety reasons, sampling was conducted only around the perimeter of the pit during the Phase I investigation.

The Phase II field work was completed in summer FY03. Limited sampling was conducted within the pit.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

ABPs, SVOCs

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	199207	199307
CS	199207	199610
RFI/CMS	199610	200609
IRA	199301	199311

RC DATE: 200609

CLEANUP STRATEGY

Finalize the RFI (expect final approval in December 2006). Limited soil removal is expected. NFA is expected after soil removal.

DPG-192 DISPOSAL PITS WEST OF GRANITE

SITE DESCRIPTION

This 75-acre site is located in the Granite Mountain area, active from an uncertain time until the mid-1970s. The area was used to store toxic residue from open-air testing of agent munitions performed at Dugway prior to the 1969 ban. Two CONEX containers were utilized for this purpose. The site was also used during the demilitarization of 36,000 M55 rockets by burning in 61 open trenches. The 61 burn pits used in the demilitarization of M55 rockets were excavated and material removed between 1975 and 1976. The material was screened and transported to DPG-009 for detonation or neutralization, depending on contents.

A Phase II RFI is underway. ABPs above drinking water standards were detected in shallow groundwater. The soil is contaminated with explosives, ABPs, PCBs and metals.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

ABPs, Explosives, Metals, UXO,

PCBs

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	End
RFA	199207	199307
CS	199307	199610
RFI/CMS	199610	200712
DES	200711	200803
CMI(C)	200804	200810
LTM	200910	203910

RC DATE: 200810

CLEANUP STRATEGY

Additional sampling is planned to better delineate the site (planned for summer 2006). The final RFI is expected in December 2007. Soil cover and cover maintenance is expected.

This site is expected to be included in the FY08 PBC award.

Groundwater will be addressed under the Downrange GMA (funded under DPG-197).

DPG-194 BURIAL SITES, EAST OF CARR

SITE DESCRIPTION

This site consists of three separate sites (A, B, and C) representative of the three trenches located in the Carr area, believed to have been active during the 1940s. The trenches are suspected of containing chemical munitions. Partially buried debris, including miscellaneous metal scrap, bomb and incendiary fragments, and gas cylinder fragments were observed at all three trench sites. Substantial geophysical anomalies were detected at all three sites. Area B contains a 3 ft high soil mound and an area of purplestained soil within the trench.

All three trenches have uncharacterized waste that has not been sampled. The final RFI was approved in September 2004. The permit was modified in September 2004.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

ABPs

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	199307	199410
CS	199307	199610
RFI/CMS	199610	200412
DES	200602	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Soil cover of the three separate areas containing nine trenches is planned.

DPG-197 DISPOSAL PIT, OLD TARGET SITE, DOWNWIND GRID

SITE DESCRIPTION

This is a 0.5-acre site located in the Downwind Grid area, and the active dates are unknown. The site consists of a backfilled trench (100 x 7 ft), and a rectangular pad (100 x 20 ft) made of marston matting. The pad may have been used as a decontamination pad. Ordnance debris is scattered across the site.

A Phase II RFI is underway. A chlorobenzene plume (200 x 70 ft) has been detected in groundwater. The trench wastes have not been sampled due the risk of UXO related materials.

Removal of the matting and sampling was completed in summer 2003.

CLEANUP STRATEGY

This site is expected to be included in the FY06 PBC II award.

Finalize the RFI (final approval expected in May 2006). Soil cover and cap maintenance are expected.

The groundwater for the entire Downrange GMA will be funded under this site (DPG-002, 003, 006, 014, 017, 021, 032, 192, 197, 213 & 215).

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

ABPs, Chlorobenzene

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	<u>End</u>
RFA	199307	199404
CS	199307	199610
RFI/CMS	199610	200610
DES	200610	200701
CMI(C)	200701	200709
LTM	200809	203809

RC DATE: 200709

DPG-199 OLD OB/OD EAST OF SWMU 17

SITE DESCRIPTION

This is a 100-acre site OB/OD area located in the Tower Grid area, active from the 1950s to 1970s. The site consists of a large area of disturbed ground, at least 20 OB/OD pits, debris piles, miscellaneous fragmentation, stacks of scrap munitions, and an open trench (70 x 20 x 8 ft deep).

The site was added to the RFI after the RFA; no historical information regarding the site was available during the Phase I investigation. IRAs ranging from 1996 to 1998 consisted of site control (i.e., warning signs) and waste removal. TNT is present on the surface of the site. The final RFI was approved in October 2005.

CLEANUP STRATEGY

This site is expected to be included in the FY06 PBC II award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Explosives

MEDIA OF CONCERN:

Soil, Surface Water

<u>Phases</u>	Start	<u>End</u>
RFA	199307	199410
CS	199307	199610
RFI/CMS	199610	200610
DES	200610	200703
IRA	199609	199806
CMI(C)	200703	200709
LTM	200809	203809

RC DATE: 200709

RA may include: UXO surface removal, backfill 14 pits and the ponded area, cap one area, incineration of the TNT-contaminated soil and/or rerouting the surface drainage.

DPG-200 BURIAL SITE, SOUTHEAST OF CARR

SITE DESCRIPTION

This is a 0.7-acre burial site located in the Carr area, active from the 1940s to 1960s. The site consists of two backfilled trenches (each approximately 100 x 20 ft), two soil mounds, and four metal drums.

Munitions and drums were visible in the trenches during Phase I activities. No information regarding past uses of the site was available during the Phase I investigation. The wastes have not been sampled due to UXO concerns. The Phase II RFI was approved in Oct 2003. The draft final CMS was submitted to DSHW in July 2003.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199307	199512
CS	199307	199610
RFI/CMS	199610	200411
DES	200602	200607
CMI(C)	200608	200704
I TM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Repair soil cover; cover maintenance will follow.

DPG-201 CAMEL'S BACK CAVE

SITE DESCRIPTION

This 1-acre site is a cave located in the Tower Grid area, active during 1945 to the 1950s. The site consists of a two-chambered cave connected by a man-made tunnel. The cave was reportedly used to study the effects of chemical weapon systems on tunnel fortifications. Numerous chemical weapons were tested at the site; munitions fragments, smoke canisters, wiring, scrap wood, and other debris is scattered across the site.

Explosives, agent breakdown products, and metals were detected in shallow soil samples collected during Phase I activities. A low level detection of mustard was identified during the Phase II RFI investigation.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Hanta Virus, Explosives, ABPs,

Metals, Mustard

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	199307	199308
CS	199307	199610
RFI/CMS	199610	200706
LTM	200806	203800

RC DATE: 200706

CLEANUP STRATEGY

The opening of the cave will be gated or closed in some way (planned for summer 2006). Finalize the RFI (final approval June 2007).

DPG-204 LEWISITE AREA, SIMPSON BUTTES

SITE DESCRIPTION

DPG-204 lewisite demolition area is located on the southwest corner of Simpson Buttes. DPG-204 was a demilitarization area for 105 mm, 155 mm and 4.2 inch mortar chemical rounds. The area (0.2 acres) was reportedly active in the late 1940s. The demilitarized rounds were all reported to have contained lewisite. A pile of rusted chlorinated lime bleach cans is located at this site.

IRAs consisted of the overpacking and removal of 16 suspect lewisite liquid-filled dud rounds in 1994 with fencing and warning signs placed in 1996. The rounds were transported to Igloo G in Carr for storage. HD and ABPs were detected in the soil.

Soil samples taken in 1994 indicated the presence of chemical agent.

MEC and debris are present at the site.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN: Chemical Agent (Lewisite, HD)

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199511	199701
CS	199704	199709
RFI/CMS	199701	200711
DES	200709	200803
IRA	199609	199610
CMI(C)	200804	200810
LTM	200909	203910

RC DATE: 200810

CLEANUP STRATEGY

Additional field work (summer 2006) and debris removal will be needed before the RFI can be completed. Finalize the RFI and CMS. Grading, surface water reroute, additional debris removal and soil cover may be expected.

Anticipate this site will be included in FY08 PBC award.

DPG-207 DISPOSAL TRENCHES AND MOUNDS, CARR

SITE DESCRIPTION

DPG-207 is a site containing numerous burial trenches and mounds of suspected MEC and possible chemical agents (P999/F999 waste). Location is between Carr Facility (Bldg. 3445) and the evaporation pond (DPG-058). The site covers approximately 1 to 2-acres and is covered with surface debris consisting of scrap metal, ordnance fragments, half buried ordnance, glass and wood. The dates of disposal at this site are unknown; however, ground scarring can be observed on aerial photographs dating back as early as 1950.

TCE and carbon tetrachloride have been detected in the groundwater. There are eight trenches of uncharacterized waste. Additional delineation was completed in FY03.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

MEC, VOCs, ABPs

MEDIA OF CONCERN:

Soil, Groundwater

<u>Phases</u>	Start	<u>End</u>
RFA	199611	199701
CS	199704	199709
RFI/CMS	199701	200510
DES	200602	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

CMI includes soil cover, and debris removal.

Groundwater will be addressed under the Carr GMA (funded under DPG-061).

DPG-208 DRUM BURIAL SITES SE OF CARR

SITE DESCRIPTION

DPG-208 is a 2-acre chemical disposal site, used in the 1940s, located approximately 2.5 miles from the Carr Facility along the old Lincoln Highway, at the eastern end of Test Area 19. Four drums are visible in a wash. PINS analysis determined one of the drums is empty and three contain liquid. The wash was surveyed for buried ferrous metal using a metal detector. Magnetic anomalies were identified along the drainage for a distance of about 500 ft. The history of the site is uncertain. However, information from a former DPG employee suggests that this site is similar to the location of where 15 drums of mustard agent/lime mixtures were buried in the late 1940s.

A Phase II RFI is underway.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: High

CONTAMINANTS OF CONCERN:

Chemical Agent (Mustard)

MEDIA OF CONCERN: Soil

Phases	Start	End
RFA	199611 .	199701
CS	199701 .	199704
RFI/CMS	199701 .	200709

RC DATE: 200709

CLEANUP STRATEGY

A plan is being developed for DPG to sample the drums for CWA and RCRA characterization in advance of removal. The RFI (field work planned for summer 2006) and request for NFA report will be completed.

DPG-209 BIOLOGICAL TEST PLOTS, BAKER

SITE DESCRIPTION

DPG-209, the Biological Test Plots are located ~200 ft west of the Baker area, north of Burns Road approximately 1.1 miles off of Romeo Road. The site is believed to have been active from 1952 to the 1960s, although the types of materials used at the site are unknown. The ~10 acre site is relatively flat with sagebrush and sand dunes to the north. There is an area of disturbed soil.

No samples have been taken.

CLEANUP STRATEGY

RFI field work is planned for summer 2006. The RFI and request for NFA report will be completed. Final approval is expected September 2007.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: NE

CONTAMINANTS OF CONCERN: Possible Biological Warfare Agent

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199611	199701
CS	199704	199709
RFI/CMS	199701	200709

RC DATE: 200709

DPG-210 GLASS DISPOSAL SITE, SO OF BAKER

SITE DESCRIPTION

DPG-210, a surface disposal area with broken glass scattered throughout the site, is located along a dirt road approximately one mile south of the Baker Facility. The area was used for disposal in the 1950s and 1960s. The site terrain is flat with low sand dunes scattered throughout the area. Broken and melted glassware is partially buried in a bermed area approximately 23 x 35 ft. Much of the glassware in the bermed area consists of cylindrical tubes that taper at both ends. The tubes appear to be some type of sampler, and it is not known if these were used at the Baker lab or in field tests. Northeast of the bermed area is a smaller surface pile of broken and melted glass, glass tubing, wire, and rusted nails.

No samples have been taken.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: NE

CONTAMINANTS OF CONCERN: Possible Biological Warfare Agent

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199611	199701
CS	199704	199709
RFI/CMS	199701	200709

RC DATE: 200709

CLEANUP STRATEGY

RFI field work and limited soil removal is planned for summer 2006. The RFI and request for NFA report will be completed with final approval expected September 2007.

DPG-211 CORAL PIT WASTE PILE, N OF CAMELS BACK RIDGE

SITE DESCRIPTION

DPG-211, Coral Pit Waste Pile, is located on the north side of Camels Back Ridge. The site was originally used as a gravel/borrow pit. Three surface disposal piles are located near the center of the pit area. Debris in these piles consists of smoke and incendiary rounds, scrap metal, barbed wire, range clean-up debris, test tube holders, incendiary devices, magnesium debris, miscellaneous metal scrap, rubber tubing, and critical orifices used for samplers at Tower Grid. The three combined debris piles encompass an area of approximately 4,500 ft². The 1-acre site was used for disposal in the 1960s.

Debris removal was completed in summer 2003.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Arsenic, Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
RFA	199611	199701
CS	199704	199709
RFI/CMS	199701	200701

RC DATE: 200701

CLEANUP STRATEGY

The RFI and request for NFA will be completed (expect final approval in January 2007).

DPG-213 BURIAL TRENCH, TARGET S

SITE DESCRIPTION

DPG-213 is a burial trench approximately 0.2 miles northeast of November Road, west of Target S. The site consists of a low relief mound approximately 200 x 40 ft, and was used from the 1950s to the 1970s. Scattered metal debris, including M55 and Hedgehog rocket parts, are visible on the ground surface near the south end of the mounded area. The middle one-third of the mound has subsided.

There is uncharacterized waste in the trench that has not been sampled. No significant contamination has yet been detected in soil or groundwater. The final RFI was approved in Sept 2004.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	<u>End</u>
RFA	199611	199701
CS	199704	199709
RFI/CMS	199701	200409
DES	200602	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Closure will include debris removal and soil cover.

DPG-215 PIGEON LOFT TRENCHES, DOWNWIND GRID

SITE DESCRIPTION

DPG-215 is a site (used in the 1960s) that consists of two possible separate backfilled trenches, and is located on Pigeon Loft Road by the remnants of the former pigeon loft. The pigeon loft was a metal building on a concrete foundation that housed pigeons used in test operations. An area of disturbed ground with no vegetation, approximately 150 x 40 ft, lies perpendicular to the foundation. A second trench is located approximately 275 ft north of the concrete slab, on the north side of the road. Two metal drum stands and a metal table are located at the surface at this site. Partially buried material such as metal piping and scrap metal are also visible at the surface. Numerous magnetic anomalies were detected using a metal detector.

Low levels of explosives have been detected in groundwater. The waste has not been sampled. The final RFI was approved in Sept 2004.

This site was included in the FY06 PBC award.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Medium

CONTAMINANTS OF CONCERN:

Explosives

MEDIA OF CONCERN:

Groundwater, Soil

<u>Phases</u>	<u>Start</u>	<u>End</u>
RFA	199611	199701
	199704	
RFI/CMS	199701	200409
DES	200602	200607
CMI(C)	200608	200704
LTM	200804	203804

RC DATE: 200704

CLEANUP STRATEGY

Closure includes debris removal and soil cover.

The groundwater will be addressed as part of the Downrange GMA (funded under DPG-197).

PBC AT DUGWAY

SITE DESCRIPTION

This "site" was set up to fund the PBC at Dugway.

STATUS

REGULATORY DRIVER: RCRA-C

RRSE: Low

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Groundwater

 Phases
 Start
 End

 RFA
 200001
 200009

 CMI(C)
 200505
 200709

 CMI(O)
 200710
 201709

RIP DATE: 200710 **RC DATE:** 201709

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AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
DPG-006	SURFACE STORAGE AREA VIC 10 MILE TOWER	ALL REQUIRED CLEANUP(S) COMPLETED DD WASTE REMOVAL SEP 2006 DSHW APPROVAL TO NFA	2005
DPG-001	SCRAP CONSTRUCTION MAT FILL FROM V-GRID	THIS SITE HAS BEEN COMBINED WITH DPG-003 DUE TO ITS PROXIMITY AND SAME CONTAMINANTS. DD WASTE REMOVAL SEP 2006	2001
DPG-005	CONTAMINATED MAT BURIAL SITE (V-GRID)	THIS SITE HAS BEEN CONSOLIDATED WITH DPG-003. DD WASTE REMOVAL SEP 2006	2000
DPG-007	BRINE VATS, WEST OF GRANITE PEAK	ALL FIELD WORK COMPLETED AT THIS SITE. DD DPG-007 JUL 2001	2003
DPG-010	LOW LEVEL RAD LANDFILL, WEST OF GRANITE	STUDY COMPLETED, NO CLEANUP REQUIRED. DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	2004
DPG-012	LOW LEVEL RAD LANDFILL, SE GRANITE PEAK	STUDY COMPLETED, NO CLEANUP REQUIRED. DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	1999
DPG-013	DECON PAD, JUNCTION DOWNWIND W & LIMA ROADS	STUDY COMPLETED, NO CLEANUP REQUIRED. DD WASTE REMOVAL SEP 2006	2001
DPG-016	DECON PAD, JCT EAST DOWNWIND & HWY 101	ALL REQUIRED CLEANUP COMPLETED. DD WASTE REMOVAL SEP 2006	2005
DPG-020	LANDFILL NORTH OF CAMELBACK RIDGE	STUDY COMPLETED, NO CLEANUP REQUIRED. UDEQ APPROVED CLOSURE OF THIS SITE IN A 23 SEPTEMBER 1998 LETTER AND SUBSEQUENT PERMIT MODIFICATION APPROVAL.	1998
DPG-022	IGLOO SITE (SW TOWER GRID)	STUDY COMPLETED, NO CLEANUP REQUIRED. DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	1999
DPG-027	PCB/POL STORAGE SITE (BLDGS 9450/9452)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1994

AEDB-R		Action oftes cummary	NFA
#	Site Title	Documentation/Reason for NFA	Date
DPG-028	SURFACE WASTE	ALL REQUIRED CLEANUP	1999
	DISPOSAL SITE (H	COMPLETED.	
_	GRID)	DD WASTE REMOVAL SEP 2006	
DPG-029	SURFACE WASTE	STUDY COMPLETED, NO CLEANUP	1998
	SITE BTWN S WIG	REQUIRED.	
DPG-030	MTN AND HG RD FUEL TANK SITE @	DD WASTE REMOVAL SEP 2006 STUDY COMPLETED, NO CLEANUP	1995
DFG-030	WIG MOUNTAIN	REQUIRED.	1995
	WIG MIGORITALITY	TALGOTTALD.	
DPG-033	OLD SEWER LAGOON,	ALL REQUIRED CLEANUP	2002
	NORTH OF BAKER	COMPLETED.	
	LAB	DD DPG-033 JUN 2003	
DPG-034	BOILER BLOWDOWN	REMEDIATION FIELD WORK IS	2002
	POND BAKER AREA	COMPLETE,	
		DD MULTIPLE-SITE ACCESS	
DPG-036	IMHOF	CONTROL MEASURES SEP 2006 ALL REQUIRED CLEANUP	2003
DPG-030	TK/DRAINFIELD AT	COMPLETED.	2003
	DITTO TECH CTR	DD DPG-036 JUN 2000	
DPG-038	DECON PAD, SOUTH	ALL REQUIRED CLEANUP	2005
	OF DITTO TECH	COMPLETED.	
	CENTER	DD DPG-038 AUG 2003	
DPG-040	FENCED STORAGE	ALL REQUIRED CLEANUP	2003
	AREA @ AVERY	COMPLETED.	
	FACILITY	DD DPG-040 SEP 2003	
DDC 040	CONTRACTOR	DD WASTE REMOVAL SEP 2006	0005
DPG-042	CONTRACTOR LANDFILL NEAR	ALL REQUIRED CLEANUP COMPLETED.	2005
	ENGLISH VILLAGE	DD DPG-042 DEC 2003	
	ENGLIGIT VILLY (GL	DD MULTIPLE-SITE ACCESS	
		CONTROL MEASURES SEP 2006	
DPG-044	OLD STP FOR	STUDY COMPLETED, NO CLEANUP	2005
	ENGLISH VILLAGE	REQUIRED.	
		DD WASTE REMOVAL SEP 2006	
DPG-045	SUMP @ FAC ENGR	ALL REQUIRED CLEANUP	1997
	AREA @ ENGLISH	COMPLETED.	
DPG-046	VILLAGE SHOP SUMP MAINT	ALL REQUIRED CLEANUP	2004
DFG-040	AREA @ ENGLISH	COMPLETED.	2004
	VILLAGE	DD DPG-046 AUG 2003	
		DD MULTIPLE-SITE ACCESS	
		CONTROL MEASURES SEP 2006	
DPG-047	SEWAGE LAGOON,	ALL REQUIRED CLEANUP	2003
	SOUTH OF FRIES	COMPLETED.	
	PARK	DD DPG-047 JUN 2003	

AEDB-R		Action oftes outlinary	NFA
#	Site Title	Documentation/Reason for NFA	Date
DPG-048	3X STORAGE AREA @ FRIES PARK	ALL REQUIRED CLEANUP COMPLETED. DD DPG-047 MAR 2003	2004
DPG-049	PCB STORAGE HUT (FRIES PARK)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1994
DPG-050	DISPOSAL AREA, NE CAMELBACK RIDGE	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-051	EVAPORATION POND NEAR DTC	CLEAN CLOSURE. DECISION DOCUMENT EXPECTED.	2006
DPG-053	WASTE BURIAL SITES DURRAND ROAD	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-059	PAD & 3X STORAGE AREA @ CARR FACILITY	ALL REQUIRED CLEANUP COMPLETED DD DPG-059 APR 2001	2003
DPG-062	AMMO IGLOOS @ CARR FAC	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-063	SEPTIC TANK /DRAINFIELD @ CARR FACILITY	ALL REQUIRED CLEANUP COMPLETED DD DPG-063 LEACHFIELD AUG 2003 DD MULTIPLE SITES-WASTE/SLUDGE REMOVAL APR 2001	2002
DPG-064	WASTE BURIAL SITE (SE TOWER GRID)	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-065	LANDFILL (WHITE SAGE FLATS)	ALL REQUIRED CLEANUP COMPLETED	2004
DPG-066	DISPOSAL AREA NEAR HILL 5700	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-067	LANDFILL (NORTH CEDAR MOUNTAIN)	TRANSFERRED TO USACE AS A FUDS SITE.	1991
DPG-069	POL AST AREA @ ENGLISH VILLAGE	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1991
DPG-070	DISTURBED AREA (ANIMAL WASTE DUMP)(EV)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	2001
DPG-071	SKEET RANGE (EPIC- 2A)	STUDY COMPLETED, NO CLEANUP REQUIRED	1991

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AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
DPG-072	SAND/GRAVEL PITS (EPIC-2C)	STUDY COMPLETED, NO CLEANUP REQUIRED	1991
DPG-073	HORSE STABLE AREA (EPIC-3A)	STUDY COMPLETED, NO CLEANUP REQUIRED	1991
DPG-074	TRENCH, CONTENTS UNKNOWN (EPIC-3B)	STUDY COMPLETED, NO CLEANUP REQUIRED	1991
DPG-075	OLD FRIES PARK SEWAGE LAGOON (EPIC-3D)	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2005
DPG-076	STAINED/DISTURBED GROUND (EPIC-3F)	STUDY COMPLETED, NO CLEANUP REQUIRED	1991
DPG-077	EX-ASPHALT PILE LITTLE GRANITE MTN	STUDY COMPLETED, NO CLEANUP REQUIRED	2005
DPG-078	GROUND SCARS (EPIC-4C)	ALL REQUIRED CLEANUP COMPLETED	1993
DPG-081	FORMER MUNITIONS STORAGE IGLOO (1942-80)	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-082	WASTE PILE (E OF MICHAEL AAF)(EPIC- 7A)	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-083	GROUND STAINS (EPIC-8A)	ALL REQUIRED CLEANUP COMPLETED	1991
DPG-084	FILL MATERIAL TRENCHES (EPIC-8B)	ALL REQUIRED CLEANUP(S) COMPLETED	1991
DPG-085	DUNE FIELD BORROW AREA (EPIC-8B)	ALL REQUIRED CLEANUP(S) COMPLETED	1991
DPG-086	FORMER COAL PILES @ DITTO FAC (EPIC- 9A)	ALL REQUIRED CLEANUP(S) COMPLETED	1991
DPG-088	BORROW PIT LOCATIONS (EPIC-9C)	ALL REQUIRED CLEANUP(S) COMPLETED	1993

AEDR R		Action oftes cuminary	NFA
AEDB-R #	Site Title	Documentation/Reason for NFA	Date
DPG-091	ASPHALT PILE SO OF BAKER	ALL REQUIRED CLEANUP(S) COMPLETED. UDEQ AGREED IN AN AUGUST 2000 MEETING THAT THIS SITE MAY BE ADDED TO OUR PERMIT MOD CLOSING FURTHER ACTIONS AT THIS SITE.	2000
DPG-092	LANDFILL (NO EAST OF BAKER)	STUDY COMPLETED, NO CLEANUP REQUIRED	2001
DPG-093	EXCAVATION/TRENCH ES (EPIC-12A)	STUDY COMPLETED, NO CLEANUP REQUIRED	2001
DPG-094	BORROW PIT SOUTH OF BAKER (EPIC-12B)	ALL REQUIRED CLEANUP(S) COMPLETED	1991
DPG-095	BORROW PIT SE OF GRANITE PEAK (EPIC- 13B)	ALL REQUIRED CLEANUP(S) COMPLETED	1991
DPG-096	CONCRETE DEBRIS, S OF MICHAEL AAF	ALL REQUIRED CLEANUP(S) COMPLETED	2001
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MTN	ALL REQUIRED CLEANUP(S) COMPLETED DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	2004
DPG-100	DITTO AREA WATER AQUIFERS	STUDY COMPLETED, NO CLEANUP REQUIRED	1991
DPG-101	WASTE DISPOSAL SITE (EAST OF WIG GRID)	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	1999
DPG-102	NEW SANITARY LANDFILL, WEST OF FRIES PARK	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1991
DPG-103	DECON PAD @ BLDG 9411, WEST GRANITE MTN	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	1999
DPG-104	DECON PAD, JUNCTION TANGO/BURNS/VICTO RY	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	1999

AEDB-R	INT NOTUITIE	Action Sites Summary	NFA
#	Site Title	Documentation/Reason for NFA	Date
DPG-107	DECONTAMINATION PAD (TOWNER GRID)	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	1999
DPG-108	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-109	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	STUDY COMPLETED, NO CLEANUP REQUIRED	1998
DPG-110	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-111	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-113	LANDFILL POLE LINE ROAD	ALL REQUIRED CLEANUP(S) COMPLETED DD WASTE REMOVAL SEP 2006	2004
DPG-116	LANDFILL NYE ROAD	ALL REQUIRED CLEANUP(S) COMPLETED DD WASTE REMOVAL SEP 2006	2004
DPG-117	WASTE DISPOSAL PIT (FALCONER ROAD)	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2001
DPG-118	TEST VAT (1940- 1050S) (EAST OF V- GRID)	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2005
DPG-119	OB/OD PAN, 4 MI EAST OF CARR FACILITY	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1993
DPG-120	BURN FACILITY IN BLDG 5710	ALL REQUIRED CLEANUP(S) COMPLETED	1992
DPG-121	INCINERATOR, BAKER LAB BASEMENT	STUDY COMPLETED, NO CLEANUP REQUIRED	1992
DPG-122	INCINERATOR, BAKER LAB BASEMENT	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-123	INCINERATOR (BAKER) BLDG 202	STUDY COMPLETED, NO CLEANUP REQUIRED UDEQ CONCURRENCE WITH PARSONS RFI PHASE I REPORT RECOMMENDING NFA MARCH 98.	1998

AEDB-R		Action Sites Summary	NFA
#	Site Title	Documentation/Reason for NFA	Date
DPG-124	3X/5X CARR FACILITY INCINERATOR	ALL REQUIRED CLEANUP(S) COMPLETED DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	2004
DPG-125	AVERY BOILER BLOWDOWN SUMP (DITCH)	STUDY COMPLETED, NO CLEANUP REQUIRED	1992
DPG-126	YELLOW JACKET AREA	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1991
DPG-127	SOUTHERN TRIANGLE AREA (INCL RISING SUN)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1991
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VILLAGE	ALL REQUIRED CLEANUP(S) COMPLETED DD DPG-128 SOILS JUN 2003 DD MULTIPLE SITES-WASTE/SLUDGE REMOVAL APR 2001	2004
DPG-130	SUMP, AAFES GAS STATION, ENGLISH VILLAGE	ALL REQUIRED CLEANUP(S) COMPLETED DD WASTE REMOVAL SEP 2006	2004
DPG-131	HWHA-1 (PAINT SHOP WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING SITE IS A 90 DAY HAZ WASTE AREA IN CURRENT OPERATION.	1997
DPG-132	HWHA-2 (MOTOR VEHICLE SHOP WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA.	1997
DPG-134	HWHA-4 (CHEM LAB 3X WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-135	HWHA-5 (PHOTO WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-136	HWHA-6 (TEST GENERATED WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997

AEDB-R		Action Sites Summary	NFA
#	Site Title	Documentation/Reason for NFA	Date
DPG-137	HWHA-7 (GRID OPNS BRANCH WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-138	HWHA-8 (LUB OIL- ANTIFREEZE)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-139	HWHA-9 (MOTOR OIL- ANTIFREEZE)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-140	HWHA-10 (BATTERIES & KOH SOL)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-141	HWHA-11 (MOTOR VEHICLE SHOP WASTES)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-142	HWHA-12 (2X WASTE FOR INCINERATOR)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-143	HWHA-13 (3X MATERIAL)	THE STRUCTURE IS A <90-DAY HW STORAGE UNIT. THE AREA AROUND, UNDER AND ADJACENT TO THE STRUCTURE IS BEING INVESTIGATED AS PART OF DPG-60.	1997
DPG-144	HWHA-14 (BLEACH, LAB, SOLUTIONS)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997
DPG-145	HWHA-15 (ENGLISH VILLAGE AUTOSHOP)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING THIS SITE IS A 90 DAY HAZ WASTE STORAGE AREA NOT DERA ELIGIBLE.	1997

AEDR R	INT NOTUITIE	Action Sites Summary	NFA
AEDB-R #	Site Title	Documentation/Reason for NFA	Date
DPG-146	TANK TRUCK H2 S04	STUDY COMPLETED, NO CLEANUP REQUIRED	1993
DPG-147	AST DECON PAD C-8 EMULSION	STUDY COMPLETED, NO CLEANUP REQUIRED	1993
DPG-148	HEALTH CLINIC TANK #1	STUDY COMPLETED, NO CLEANUP REQUIRED	1993
DPG-149	HEALTH CLINIC TANK #2	ALL REQUIRED CLEANUP(S) COMPLETED	1993
DPG-151	STAINLESS STEEL SUMP CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1997
DPG-152	STAINLESS STEEL HOLDING TANK, CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1997
DPG-153	STAINLESS STEEL SUMP CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1997
DPG-155	WASTE TANK, DTC, CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM	1996
DPG-156	AST, DTC, CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM	1996
DPG-157	SUMP, DTC, CARR (3X)	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM	1996
DPG-158	EVAPORATION POND NORTH OF MICHAEL AAF	ALL REQUIRED CLEANUP(S) COMPLETED DD DPG-158 JUN 2003	2004
DPG-159	INCINERATOR, ENGLISH VILLAGE	STUDY COMPLETED, NO CLEANUP REQUIRED	1999
DPG-160	AIR FORCE PAD 777 LF # 1	STUDY COMPLETED, NO CLEANUP REQUIRED DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	1995
DPG-161	AIR FORCE PAD 777 LF # 2	STUDY COMPLETED, NO CLEANUP REQUIRED DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	1995
DPG-162	DECON PAD NORTH OF AVERY	ALL REQUIRED CLEANUP(S) COMPLETED DD DPG-162 JUN 2003 DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	2003

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AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date		
DPG-176	ACID DILUTION BOX – 4026 DITTO	ALL REQUIRED CLEANUP(S) COMPLETED	1999		
DPG-178	PHOTO PROCESSING BUILDING – DITTO (\$258)	STUDY COMPLETED, NO CLEANUP REQUIRED UDEQ AGREED WITH NFA AT 10 AUG 00 MEETING.	2001		
DPG-179	BLDG 3342, 3048 SUMPS	RISK BASED INDUSTRIAL CLOSURE	2004		
DPG-181	X-RAY LAB, CARR FACILITY (BLDG 3131)	STUDY COMPLETED, NO CLEANUP REQUIRED UDEQ AGREED TO NFA DESIGNATION IN AUG 2000.	2001		
DPG-182	OPEN DETONATION UNIT/ SUPPRESSIVE TEST SHIELD	STUDY COMPLETED, NO CLEANUP REQUIRED	2001		
DPG-184	AIR FILTER SYSTEM, BLDG 1004	COMBINED WITH DPG-41 FOR RFI PHASE II ACTIVITIES.	2001		
DPG-185	OLD CHEMICAL LABORATORY – DITTO AREA (4165)	STUDY COMPLETED, NO CLEANUP REQUIRED	2005		
DPG-186	NEW CHEMICAL LABORATORY – DITTO AREA	INVESTIGATION OF THIS SITE COMBINED WITH DPG-185.	1996		
DPG-187	PRINT SHOP – ENGLISH VILLAGE (5466)	STUDY COMPLETED, NO CLEANUP REQUIRED SEWAGE LINES FROM THIS SHOP WILL BE INCLUDED WITH SWMU 44 (EV SEWER SYSTEM).	2001		
DPG-188	WASTE PIT – NORTH OF RISING SUN GRID	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2004		
DPG-190	RANGER LANDFILL AT PRIME ROAD GRAVEL PIT	ALL REQUIRED CLEANUP(S) COMPLETED CLOSURE CERTIFICATION DEC19, 2004	2003		
DPG-191	LANDFILL – WEST OF EXISTING LANDFILL	STUDY COMPLETED, NO CLEANUP REQUIRED DSHW APPROVAL FOR NFA BASED ON PHASE I RFI IN SEPT. 2001	2001		

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AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
DPG-193	DECON PAD – WEST OF GRANITE MOUNTAIN	STUDY COMPLETED, NO CLEANUP REQUIRED DSHW APPROVAL OF PERMIT MOD SEPT. 2001.	2006
DPG-195	INCINERATOR EAST OF CARR	STUDY COMPLETED, NO CLEANUP REQUIRED DSHW APPROVAL FOR NFA BASED ON PHASE I RFI IN SEPT. 2001	2001
DPG-196	INCINERATOR EAST OF CARR	ALL REQUIRED CLEANUP(S) COMPLETED UDEQ NFA'D IN OCT 01	1999
DPG-198	X-RAY PROCESSOR – HEALTH CLINIC	NOT ELIGIBLE FOR ER,A/BRAC FUNDING	1997
DPG-202	WASTE PILE AT CPI 3 (NOW DPG-114)	THIS SWMU HAS BEEN COMBINED WITH SWMU 114. PROBABLE BIO HAZARD AT THE SITE AND NO EVALUATION STANDARDS ARE AVAIL AT THIS TIME	1998
DPG-203	LANDFILL NORTH OF APG	ALL REQUIRED CLEANUP(S) COMPLETED	1999
DPG-205	GRASSY PLOTS GRID, EAST OF BAKER	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2005
DPG-206	SURFACE DISPOSAL AREA, NW OF MICHAEL AAF	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2006
DPG-212	M55 ROCKET TEST SITE, SO TOWER GRID	STUDY COMPLETED, NO CLEANUP REQUIRED MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006	2003
DPG-214	DECONTAMINATION PAD, TARGET S	STUDY COMPLETED, NO CLEANUP REQUIRED DD WASTE REMOVAL SEP 2006	2005
DPG-216	TRASH PIT, GRANITE MTN	STUDY COMPLETED, NO CLEANUP REQUIRED	2005

Initiation of IRP: 1979

Past Phase Completion Milestones

1979	
Initial Installation Assessment (IA)	Apr 79
1988	
Update of Initial IA	Jul 88
IR Program Plan	Nov 88
1992	
RCRA Facility Assessment	Mar 92
1995	
Nature & Extent Inv (Consent Order SWMUs)	May 95
1996	· , · · ·
Closure Plans (Consent Order SWMUs)	Sep 96
RFI (Corrective Action SWMUs) (Phase I)	Oct 96
1998	00.00
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Interim Removal Actions	Dec 98

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates: DD completed on a site-specific basis as needed.

Projected Construction Completion Date of IRP and Removal from NPL: 2015+

Schedule for Next Five Year Review: 2011 (5 years post-PBC)

Estimated Completion Date of IRP (including LTM phase): 2043+

DUGWAY PROVING GROUNDS IRP SCHEDULE

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
DPG-002	LTM									203307
DPG-003	LTM									203804
	RFI									
	DES									
	CMI(C)									
DPG-009	LTM									203809
DPG-011	RFI									
	DES									
	CMI									
	LTM									203804
DPG-017	LTM									203804
DPG-021	LTM									203804
DPG-031	RFI									
	DES									
	CMI									
DPG-032	RFI									
	DES									
	CMI									
	LTM									203909
DPG-035	RFI									
	LTM									203704
DPG-039	LTM									203809
DPG-041	RFI									
DPG-043	LTM									203508
DPG-052	LTM									203804
DPG-054	LTM									203804
DPG-055	DES									
	CMI									
	CMI(O)									
	LTM									204304
DPG-056	LTM									203804
DPG-058	DES									
	CMI									
	LTM									203904

DUGWAY PROVING GROUNDS IRP SCHEDULE

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
DPG-060	RFI									
	DES									
	CMI									
DPG-061	RFI									
	DES									
	CMI									
	CMI(O)									
	LTM									204212
DPG-079	LTM									203804
DPG-090	LTM									203706
DPG-097	IRA									
	CMI									
	LTM									203710
DPG-114	RFI									
	DES									
	CMI									
DPG-133	RFI									
DPG-150	RFI									
DPG-154	RFI									
DPG-173	RFI									
DPG-177	RFI									
DPG-180	CMS									
	DES									
	CMI									
DPG-183	RFI									
DPG-192	RFI									
	DES									
	СМІ									
	LTM									203910
	LTM									203804
DPG-197	CMS									
	DES									
	CMI(C)									
	LTM									203809

DUGWAY PROVING GROUNDS IRP SCHEDULE

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
DPG-199	CMS									
	DES									
	CMI(C)									
	LTM									203809
DPG-200	LTM									203804
DPG-201	LTM									203809
DPG-204	RFI									
	DES									
	CMI(C)									
	LTM									203910
DPG-207	LTM									203804
DPG-208	RFI									
DPG-209	RFI									
DPG-210	RFI									
DPG-211	RFI									
DPG-213	LTM									203804
DPG-215	LTM									203804
PBC 05	CMI(C)									
	CMI(O)									201709

Prior Years Funds

Total Funding up to FY04: \$60,267K

Year Site Information Expenditures FY Total \$873K RA(C) \$108K RD \$2K LTM \$3K

Total FY05: \$986K

Total Prior Year Funds: \$61,253K

Current Year Requirements

Year Site Information Requirements FY Total \$12,000K \$12,000K

Total Future Requirements: \$54,909K

Total IR Program Cost (from inception to completion of the IRP): \$128,162K

Community Involvement

Dugway established a Restoration Advisory Board (RAB) in FY00. RAB members are from the following communities: English Village (DPG), Skull Valley, Grantsville, Rush Valley, Stansbury, Tooele, and Vernon. In addition, representatives from local government, U.S. Environmental Protection Agency, DSHW, and Dugway sit on the RAB.

The RAB established a charter and working groups during 2000. RAB meetings are being held on a semiannual basis, in conjunction with Technical Review Committee meetings. Information repositories have been established at the DPG Directorate of Environmental Program, Tooele County Library, University of Utah and UDEQ-DSHW. RAB members are being provided program status updates through slide shows and handouts.

Dugway requested TAPP funds for FY 2001. The RAB did not submit a project request to access TAPP funding.